

Safety Data Sheet

33 Mix pesticides in acetonitrile

Version : V2.0.0.1

Report No. : BWN6327-2016-MSDS-EP

Creation Date : 2025/12/22

Revision Date : -



*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name	33 Mix pesticides in acetonitrile
Cat No.	BWN6327-2016
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

1.3 Details of the supplier of the Safety Data Sheet

Name of the company	Weiyel Inc
Address of the company	Hedian Light Industrial Park, Chengguan Town, Shangcheng County, Xinyang City, Henan Province, China
Post code	465350
Telephone number	010-58103678
Fax number	010-84840368
E-mail address	info@weiyel.com

1.4 Emergency telephone number

Emergency telephone number	010-58103678
Opening hours	24h

2 Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707

Flammable liquids	Category 2
Acute Toxicity - Oral	Category 4
Acute Toxicity - Dermal	Category 4
Serious eye damage/irritation	Category 2
Acute Toxicity - Inhalation	Category 4
Hazardous to the aquatic	Category 3

environment - long-term (chronic) hazard	
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2.2 Label elements

Hazard pictograms	
Signal word	Danger

Hazard statements

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects

Precautionary statements

◆ Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing gas/mist/vapour/spray.
P264	Wash hands and other parts of the body (if related) thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

◆ Response

P312	Call a POISON CENTRE/ doctor/... if you feel unwell.
P321	Specific treatment (see related instructions on the label).
P330	Rinse mouth.
P301+P312	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	Small fire: dry chemical, CO ₂ or alcohol-resistant foam; Large fire: alcohol-resistant foam; Fire involving tanks, rail tank cars or highway tanks: Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out.

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
◆ Storage	
P403+P235	Store in a well-ventilated place. Keep cool.
◆ Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Acetonitrile	Not PBT/vPvB
Diazinon	Insufficient information, temporarily unable to evaluate
Tribenuron methyl	Insufficient information, temporarily unable to evaluate
Fenazaquin	Insufficient information, temporarily unable to evaluate
Buprofezin	Insufficient information, temporarily unable to evaluate
Etoxazole	Insufficient information, temporarily unable to evaluate
Tralkoxydim	Insufficient information, temporarily unable to evaluate
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	Insufficient information, temporarily unable to evaluate
Bensulfuron-methyl	Insufficient information, temporarily unable to evaluate
Chlorsulfuron	Insufficient information, temporarily unable to evaluate
Cinosulfuron	Insufficient information, temporarily unable to evaluate
Cyclosulfamuron	Insufficient information, temporarily unable to evaluate
Ethoxysulfuron	Insufficient information, temporarily unable to evaluate
Flucetosulfuron	Insufficient information, temporarily unable to evaluate
Iodosulfuron-methyl sodium	Insufficient information, temporarily unable to evaluate
Mesosulfuron-methyl	Insufficient information, temporarily unable to evaluate
Metsulfuron methyl	Insufficient information, temporarily unable to evaluate
Thifensulfuron methyl	Insufficient information, temporarily unable to evaluate
Triasulfuron	Insufficient information, temporarily unable to evaluate
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	Insufficient information, temporarily unable to evaluate
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	Insufficient information, temporarily unable to evaluate

Prometryn	Insufficient information, temporarily unable to evaluate
Hexazinone	Insufficient information, temporarily unable to evaluate
Imazalil	Insufficient information, temporarily unable to evaluate
Propamocarb	Insufficient information, temporarily unable to evaluate
Thiabendazole	Insufficient information, temporarily unable to evaluate
Benzeneacetamide,N-[[[(cy clopropylmethoxy)amino][2,3-difluoro-6-(trifluorome thyl)phenyl]methylene]-,[N(Z)]-	Insufficient information, temporarily unable to evaluate
Cyprodinil	Insufficient information, temporarily unable to evaluate
Pyrimethanil	Insufficient information, temporarily unable to evaluate
Clothianidin	Insufficient information, temporarily unable to evaluate
Pirimicarb	Insufficient information, temporarily unable to evaluate
Chlorimuron ethyl	Insufficient information, temporarily unable to evaluate
Propyrisulfuron	Insufficient information, temporarily unable to evaluate
Pyrazosulfuron-ethyl	Insufficient information, temporarily unable to evaluate

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Acetonitrile	Insufficient information, temporarily unable to evaluate
Diazinon	Insufficient information, temporarily unable to evaluate
Tribenuron methyl	Insufficient information, temporarily unable to evaluate
Fenazaquin	Insufficient information, temporarily unable to evaluate
Buprofezin	Insufficient information, temporarily unable to evaluate
Etoxazole	Insufficient information, temporarily unable to evaluate
Tralkoxydim	Insufficient information, temporarily unable to evaluate
3,5-Dithia-2,4-diazahexana mide,N-(4,6-dimethoxy-2-p yrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	Insufficient information, temporarily unable to evaluate
Bensulfuron-methyl	Insufficient information, temporarily unable to evaluate
Chlorsulfuron	Insufficient information, temporarily unable to evaluate
Cinosulfuron	Insufficient information, temporarily unable to evaluate
Cyclosulfamuron	Insufficient information, temporarily unable to evaluate
Ethoxysulfuron	Insufficient information, temporarily unable to evaluate
Flucetosulfuron	Insufficient information, temporarily unable to evaluate
Iodosulfuron-methyl sodium	Insufficient information, temporarily unable to evaluate
Mesosulfuron-methyl	Insufficient information, temporarily unable to evaluate

Metsulfuron methyl	Insufficient information, temporarily unable to evaluate
Thifensulfuron methyl	Insufficient information, temporarily unable to evaluate
Triasulfuron	Insufficient information, temporarily unable to evaluate
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	Insufficient information, temporarily unable to evaluate
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	Insufficient information, temporarily unable to evaluate
Prometryn	Insufficient information, temporarily unable to evaluate
Hexazinone	Insufficient information, temporarily unable to evaluate
Imazalil	Insufficient information, temporarily unable to evaluate
Propamocarb	Insufficient information, temporarily unable to evaluate
Thiabendazole	Insufficient information, temporarily unable to evaluate
Benzeneacetamide,N-[[[cyclopropylmethoxyamino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-,N(Z)-	Insufficient information, temporarily unable to evaluate
Cyprodinil	Insufficient information, temporarily unable to evaluate
Pyrimethanil	Insufficient information, temporarily unable to evaluate
Clothianidin	Insufficient information, temporarily unable to evaluate
Pirimicarb	Insufficient information, temporarily unable to evaluate
Chlorimuron ethyl	Insufficient information, temporarily unable to evaluate
Propyrisulfuron	Insufficient information, temporarily unable to evaluate
Pyrazosulfuron-ethyl	Insufficient information, temporarily unable to evaluate

◆ Other

Not applicable.

3 Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Component	Weight % content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	Specific Conc. Limits, M-factors
Acetonitrile CAS : 75-05-8 EC : 200-835-2 Index No. : 608-001-00-3	99.959	Flammable liquids, Category 2, H225; Acute Toxicity - Oral, Category 4, H302; Acute Toxicity - Dermal, Category 4, H312; Serious eye damage/irritation, Category 2, H319; Acute Toxicity - Inhalation, Category 4, H332	-
Diazinon CAS : 333-41-5 EC : 206-373-8	0.0012	Acute Toxicity - Oral, Category 4, H302; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1,	-

Index No. : 015-040-00-4		H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	
Tribenuron methyl CAS : 101200-48-0 EC : 401-190-1 Index No. : 607-177-00-9	0.0012	Sensitization - skin, Category 1, H317; Specific target organ toxicity - repeated exposure, Category 2, H373; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=100;M(Chronic)=100
Fenazaquin CAS : 120928-09-8 EC : 410-580-0 Index No. : 613-159-00-1	0.0012	Acute Toxicity - Oral, Category 3, H301; Acute Toxicity - Inhalation, Category 4, H332; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-
Buprofezin CAS : 69327-76-0 EC : 614-948-3 Index No. : -	0.0012	Specific target organ toxicity - repeated exposure, Category 2, H373; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-
Etoxazole CAS : 153233-91-1 EC : 604-891-2 Index No. : 603-199-00-8	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=100
Tralkoxydim CAS : 87820-88-0 EC : 618-075-9 Index No. : 606-146-00-7	0.0012	Acute Toxicity - Oral, Category 4, H302; Carcinogenicity, Category 2, H351; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide CAS : 120923-37-7 EC : 601-744-4 Index No. : 616-209-00-0	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=100;M(Chronic)=100
Bensulfuron-methyl CAS : 83055-99-6 EC : 401-340-6 Index No. : 607-178-00-4	0.0012	Sensitization - skin, Category 1, H317; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
Chlorsulfuron CAS : 64902-72-3 EC : 265-268-5 Index No. : 613-121-00-4	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=1000;M(Chronic)=100
Cinosulfuron CAS : 94593-91-6 EC : 619-051-0 Index No. : -	0.0012	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
Cyclosulfamuron CAS : 136849-15-5 EC : 603-980-3 Index No. : -	0.0012	Serious eye damage/irritation, Category 2, H319; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400	-
Ethoxysulfuron CAS : 126801-58-9 EC : 603-166-8 Index No. : 016-082-00-6	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-

Flucetosulfuron CAS : 412928-75-7 EC : - Index No. : -	0.0012	Reproductive toxicity, Category 2, H361; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	-
Iodosulfuron-methyl sodium CAS : 144550-36-7 EC : 604-422-1 Index No. : 616-108-00-1	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-
Mesosulfuron-methyl CAS : 208465-21-8 EC : 606-653-3 Index No. : 607-729-00-9	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=100;M(Chronic)=100
Metsulfuron methyl CAS : 74223-64-6 EC : 616-063-8 Index No. : 613-139-00-2	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=1000
Thifensulfuron methyl CAS : 79277-27-3 EC : 616-673-4 Index No. : 016-096-00-2	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=100;M(Chronic)=100
Triasulfuron CAS : 82097-50-5 EC : 617-298-9 Index No. : 650-041-00-9	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)- CAS : 101205-02-1 EC : 405-230-9 Index No. : 606-147-00-2	0.0012	Reproductive toxicity, Category 2, H361	-
5-butyl-2-ethylamino-6-methylpyrimidin-4-ylidimethylsulphamate CAS : 41483-43-6 EC : 255-391-2 Index No. : 612-288-00-0	0.0012	Sensitization - skin, Category 1B, H317; Carcinogenicity, Category 2, H351; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M(Chronic)=1
Prometryn CAS : 7287-19-6 EC : 230-711-3 Index No. : -	0.0012	Acute Toxicity - Inhalation, Category 4, H332; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400	-
Hexazinone CAS : 51235-04-2 EC : 257-074-4 Index No. : 613-132-00-4	0.0012	Acute Toxicity - Oral, Category 4, H302; Serious eye damage/irritation, Category 2, H319; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-
Imazalil CAS : 35554-44-0 EC : 252-615-0 Index No. : 613-042-00-5	0.0012	Acute Toxicity - Oral, Category 3, H301; Serious eye damage/irritation, Category 1, H318; Acute Toxicity - Inhalation, Category 4, H332; Carcinogenicity, Category 2, H351; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M(Chronic)=10
Propamocarb CAS : 24579-73-5	0.0012	Acute Toxicity - Oral, Category 4, H302	-

EC : 607-406-2 Index No. : -			
Thiabendazole CAS : 148-79-8 EC : 205-725-8 Index No. : 613-054-00-0	0.0012	Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=1;M(Chronic)=1
Benzeneacetamide,N-[[[cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-,[(Z)]- CAS : 180409-60-3 EC : 605-896-2 Index No. : -	0.0012	Acute Toxicity - Inhalation, Category 4, H332; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	-
Cyprodinil CAS : 121552-61-2 EC : 601-785-8 Index No. : 612-242-00-X	0.0012	Sensitization - skin, Category 1, H317; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=10
Pyrimethanil CAS : 53112-28-0 EC : 610-963-4 Index No. : 612-240-00-9	0.0012	Hazardous to the aquatic environment - long-term (chronic) hazard, Category 2, H411	-
Clothianidin CAS : 210880-92-5 EC : 433-460-1 Index No. : 613-307-00-5	0.0012	Acute Toxicity - Oral, Category 4, H302; Reproductive toxicity, Category 2, H361; Specific target organ toxicity - single exposure, Category 1, H370; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=10;M(Chronic)=100;H302:ATE = 390mg/kg bw
Pirimicarb CAS : 23103-98-2 EC : 245-430-1 Index No. : 006-035-00-8	0.0012	Acute Toxicity - Oral, Category 3, H301; Sensitization - skin, Category 1, H317; Acute Toxicity - Inhalation, Category 3, H331; Carcinogenicity, Category 2, H351; Hazardous to the aquatic environment - short-term (acute) hazard, Category 1, H400; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 1, H410	M=10;M(Chronic)=100
Chlorimuron ethyl CAS : 90982-32-4 EC : 618-690-2 Index No. : -	0.0012	Acute Toxicity - Inhalation, Category 4, H332	-
Propyrisulfuron CAS : 570415-88-2 EC : - Index No. : -	0.0012	Acute Toxicity - Oral, Category 4, H302; Skin Corrosion/Irritation, Category 2, H315; Serious eye damage/irritation, Category 2, H319; Specific target organ toxicity - single exposure; respiratory tract irritation, Category 3, H335; Hazardous to the aquatic environment - long-term (chronic) hazard, Category 3, H412	-
Pyrazosulfuron-ethyl CAS : 93697-74-6 EC : 618-964-1 Index No. : -	0.0012	Acute Toxicity - Inhalation, Category 4, H332	-

4 First-aid measures

4.1 Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Skin contact	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Ingestion	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Give plenty of water to drink. Refer for medical attention.
Inhalation	Fresh air, rest. Artificial respiration may be needed. Refer for medical attention.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms/effects, acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
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4.3 Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Small fire: dry chemical, CO ₂ or alcohol-resistant foam; Large fire: alcohol-resistant foam; Fire involving tanks, rail tank cars or highway tanks: Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out.
Unsuitable extinguishing media	Use of water spray when fighting fire may be inefficient.

5.2 Specific hazards arising from the substance or mixture

1	Will form explosive mixtures with air.
2	Fire exposed containers may vent contents through pressure relief valves thereby increasing fire intensity and/or vapour concentration.
3	Vapours may travel to source of ignition and flash back.
4	Liquid and vapour are flammable.
5	May emit poisonous fumes on fire.
6	Development of hazardous combustion gases or vapor possible in the event of fire.
7	May expansion or decompose explosively when heated or involved in fire.

5.3 Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

1	Avoid breathing vapours and contacting with skin and eye.
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2	Beware of vapours accumulating to form explosive concentrations.
3	Vapours can accumulate in low areas.
4	Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves.
5	Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.
6	Do not touch or walk through spilled material.
7	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
8	Use personal protective equipment, do not breathe gas/mist/vapour/spray.
9	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
10	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

1	It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus and wear anti-static clothing.
2	In case of small amount of spillage, use clean non sparking tools to collect absorption materials.
3	In case of large amount of spillage, construct cofferdam or dig a hole to collect the spillage. Use foam cover to reduce evaporation. Water spray mist can reduce evaporation, but can not reduce the flammability of the leakage in the restricted space.
4	Collect absorbent material using a clean, non-sparking tool.
5	Cover with anti-solvent foam to reduce evaporation.
6	Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.
7	Water spray reduces evaporation but does not reduce the flammability of spills in confined spaces.
8	Do not touch or cross spills.
9	It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus and wear anti-virus suits.
10	Spray water disperses the vapor and dilutes the liquid spill.
11	Do not touch broken containers and spills before putting on appropriate protective clothing.
12	Cut off the source of the leak as much as possible.
13	Keep leaks in a ventilated place.
14	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
15	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
16	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.
17	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

6.4 Reference to other sections

1	Personal Protective Equipment advice is contained in Section 8 of the SDS.
2	Disposal considerations advice is contained in Section 13 of the SDS.

7 Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

◆ Measures to prevent fire

1	Use only non-sparking tools.
2	To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
3	Use explosion proof equipment.
4	Keep away from heat/sparks/open flames/ hot surfaces.

◆ Measures to prevent aerosol and dust generation

1	Not applicable.
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◆ Advice on general occupational hygiene

1	Wash hands and face after using the substances.
2	Replace the contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

7.3 Specific end use(s)

1	In addition to use mentioned in the Section 1.2, unforeseen other specific end uses.
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8 Exposure controls/personal protection

8.1 Control parameters

◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Acetonitrile	Permissible exposure standards for workers in the workplace	40	67	60	100.5
	European Union	40	70	-	-
	France	40	70	-	-
	Germany (AGS)	10	17	20	34
	Germany (DFG)	10	17	20	34
	Italy	20	35	-	-
Diazinon	Japan - JSOH(2024-2025)	-	0.1	-	-
	Permissible exposure standards for	-	0.01	-	0.03

	workers in the workplace				
	France	-	0.1	-	-
	Germany (AGS)	-	0.1	-	0.2
	Germany (DFG)	-	0.1	-	0.2
	Austria	-	0.1(inhalable aerosol)	-	0.4(inhalable aerosol)
Buprofezin	Japan - JSOH(2024-2025)	-	2	-	-
	USA - ACGIH	-	0.5	-	-
Prometryn	USA - ACGIH	-	1(inhalable fraction)	-	-
Hexazinone	Ireland	-	3	-	-
	USA - ACGIH	-	3(inhalable fraction)	-	-
Imazalil	Germany (AGS)	-	2	-	4
	Germany (DFG)	-	2	-	4
	Switzerland	-	4	-	8
Thiabendazole	Germany (AGS)	-	20(inhalable aerosol)	-	40(inhalable aerosol)
	Germany (DFG)	-	20	-	40
	Switzerland	-	10(inhalable aerosol)	-	-
Clothianidin	Japan - JSOH(2024-2025)	-	0.4	-	-
	USA - ACGIH	-	0.1(Inhalable fraction)	-	-

◆ Biological limit values

Component	Standard	Biological monitoring index	Biological limits value	Sampling time	Remark
Diazinon	USA -ACGIH	Acetylcholinesterase activity(Hemoglobin adducts)	70%	End of shift	
		Butyrylcholinesterase activity(Serum or Plasma)	60%	End of shift	

◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Acetonitrile	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Diazinon	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Tribenuron methyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Fenazaquin	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Buprofezin	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Etoxazole	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Tralkoxydim	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Bensulfuron-methyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Chlorsulfuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Cinosulfuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Cyclosulfamuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available

	Dermal	No data available	No data available	No data available	No data available
Ethoxysulfuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Flucetosulfuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Iodosulfuron-methyl sodium	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Mesosulfuron-methyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Metsulfuron methyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Thifensulfuron methyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Triasulfuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
2-Cyclohexen-1-one, 2-[1-(ethoxymino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulphamate	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Prometryn	Inhalation	No data available	No data available	No data available	2.22 mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Hexazinone	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Imazalil	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

Propamocarb	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Thiabendazole	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Benzeneacetamide, N-[[[(cyclopropyl methoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-, [N(Z)]	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Cyprodinil	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Pyrimethanil	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Clothianidin	Inhalation	No data available	No data available	No data available	1.9 mg/m3
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Pirimicarb	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Chlorimuron ethyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Propyrisulfuron	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Pyrazosulfuron-ethyl	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Component	A	B	C	D	E	F	G	H
Acetonitrile	10 mg/L	1 mg/L	32 mg/L	40.5 mg/kg sediment dw	4.05 mg/kg sediment dw	No hazard identified	2.23 mg/kg soil dw	No potential for bioaccumulation
Clothianidin	40 ng/L	4 ng/L	10 mg/L	1.5 µg/kg sediment dw	200 ng/kg sediment dw	No hazard identified	30 µg/kg soil dw	No potential for bioaccumulation

Note 1:

A: Freshwater; B: Seawater; C: Sewage treatment plant; D: Sediment (freshwater); E: Sediment (seawater); F: Air; G: Soil; H: Secondary poisoning(Hazard for Predators).

Note 2:

The PNEC values of the remaining components not shown in the product are not available yet.

8.2 Exposure controls

8.2.1 Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

8.2.2 Personal protection equipment

General requirement	
Eye protection	Must wear appropriate safety goggles.
Hand protection	Must wear anti static chemical protective gloves.
Respiratory protection	Must wear appropriate personal respiratory protective equipment.
Skin and body protection	Must wear anti static chemical protective clothing and anti static shoes.

8.2.3 Environmental exposure controls

Environmental exposure controls	No information available
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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Clear, colorless liquid
Colour	Clear, colorless liquid
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	-46 (Acetonitrile)
Initial boiling point and boiling range(°C)	82 (Acetonitrile)
Flash point(Closed cup, °C)	2 (Acetonitrile)

Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[%(v/v)]	Upper limit : 17 (Acetonitrile); Lower limit : 3 (Acetonitrile)
Vapor pressure	9.9kPa (25°C,Acetonitrile)
Vapor density(Air = 1)	1.4 (Acetonitrile)
Relative density(Water=1)	0.8 (Acetonitrile)
Solubility	1000000mg/L (25 °C,Acetonitrile)
n-octanol/water partition coefficient	-0.3 (Acetonitrile)
Auto-ignition temperature(°C)	524 (Acetonitrile)
Decomposition temperature(°C)	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
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9.2.2 Other safety characteristics

Other safety characteristics	No information available
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10 Stability and reactivity

Stability and reactivity

10.1 Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	In contact with N-halogen compounds may cause a potensive explosive hazardous.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	N - halogenated compounds, sulfuric acid and strong oxidants.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 with amendment 2023/707

33 Mix pesticides in acetonitrile	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Causes serious eye irritation(Category 2)
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met

STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

| Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Buprofezin	2200mg/kg(Rat)	No information available	No information available
Fenazaquin	134mg/kg(Rat)	No information available	No information available
Pirimicarb	147mg/kg(Rat)	> 500mg/kg(Rat)	No information available
Hexazinone	1690mg/kg(Rat)	> 5278mg/kg(Rabbit)	No information available
Bensulfuron-methyl	>5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	No information available
Propamocarb	8600mg/kg(Rat)	No information available	No information available
Triasulfuron	>5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 2.32mg/L(Rat)
Imazalil	227mg/kg(Rat)	4200mg/kg(Rabbit)	16mg/L(Rat)
Etoxazole	No information available	> 2000mg/kg(Rat)	No information available
Clothianidin	389mg/kg(Rat)	No information available	No information available
Tribenuron methyl	> 5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	No information available
Prometryn	3150mg/kg(Rat)	> 3100mg/kg(Rabbit)	> 2.43mg/L(Rat)
Metsulfuron methyl	>5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 5mg/L(Rat)
Cyclosulfamuron	>5000mg/kg(Rat)	No information available	No information available
Acetonitrile	2460mg/kg(Rat)	> 2000mg/kg(Rabbit)	4.748mg/L(Rabbit)
Tralkoxydim	934mg/kg(Rat)	No information available	No information available
Diazinon	300mg/kg(Rat)	3600mg/kg(Rabbit)	3.5mg/L(Rat)
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	3900mg/kg(Rat)	No information available	No information available
5-butyl-2-ethylamino-6-methylpyrimidin-4-ylidimethylsulphamate	4000mg/kg(Rat)	500mg/kg(Rat)	No information available
Pyrimethanil	4150mg/kg(Rat)	No information available	No information available
Thiabendazole	3330mg/kg(Rat)	No information available	No information available
Chlorsulfuron	5545mg/kg(Rat)	3400mg/kg(Rabbit)	> 5.9mg/L(Rat)
Cinosulfuron	>5000mg/kg(Rat)	No information available	No information available
Thifensulfuron methyl	>5000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 7.9mg/L(Rat)

| Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Acetonitrile	Not Listed	Not Listed
Diazinon	Category 2A(Remark 1)	Not Listed
Tribenuron methyl	Not Listed	Not Listed

Fenazaquin	Not Listed	Not Listed
Buprofezin	Not Listed	Not Listed
Etoxazole	Not Listed	Not Listed
Tralkoxydim	Not Listed	Not Listed
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	Not Listed	Not Listed
Bensulfuron-methyl	Not Listed	Not Listed
Chlorsulfuron	Not Listed	Not Listed
Cinosulfuron	Not Listed	Not Listed
Cyclosulfamuron	Not Listed	Not Listed
Ethoxysulfuron	Not Listed	Not Listed
Flucetosulfuron	Not Listed	Not Listed
Iodosulfuron-methyl sodium	Not Listed	Not Listed
Mesosulfuron-methyl	Not Listed	Not Listed
Metsulfuron methyl	Not Listed	Not Listed
Thifensulfuron methyl	Not Listed	Not Listed
Triasulfuron	Not Listed	Not Listed
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	Not Listed	Not Listed
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	Not Listed	Not Listed
Prometryn	Not Listed	Not Listed
Hexazinone	Not Listed	Not Listed
Imazalil	Not Listed	Not Listed
Propamocarb	Not Listed	Not Listed
Thiabendazole	Not Listed	Not Listed
Benzeneacetamide,N-[[[cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoroethyl)phenyl]methylene]-,N(Z)-	Not Listed	Not Listed
Cyprodinil	Not Listed	Not Listed
Pyrimethanil	Not Listed	Not Listed
Clothianidin	Not Listed	Not Listed
Pirimicarb	Not Listed	Not Listed
Chlorimuron ethyl	Not Listed	Not Listed
Propyrisulfuron	Not Listed	Not Listed

Pyrazosulfuron-ethyl	Not Listed	Not Listed
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Remark 1: Overall evaluation upgraded to Group 2A based on mechanistic evidence

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Acetonitrile	No information available
Diazinon	No information available
Tribenuron methyl	No information available
Fenazaquin	No information available
Buprofezin	No information available
Etoxazole	No information available
Tralkoxydim	No information available
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	No information available
Bensulfuron-methyl	No information available
Chlorsulfuron	No information available
Cinosulfuron	No information available
Cyclosulfamuron	No information available
Ethoxysulfuron	No information available
Flucetosulfuron	No information available
Iodosulfuron-methyl sodium	No information available
Mesosulfuron-methyl	No information available
Metsulfuron methyl	No information available
Thifensulfuron methyl	No information available
Triasulfuron	No information available
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	No information available
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	No information available
Prometryn	No information available
Hexazinone	No information available
Imazalil	No information available
Propamocarb	No information available
Thiabendazole	No information available

Benzeneacetamide,N-[[[cy clopropylmethoxy)amino][2,3-difluoro-6-(trifluorome thyl)phenyl]methylene]-,[N(Z)]-	No information available
Cyprodinil	No information available
Pyrimethanil	No information available
Clothianidin	No information available
Pirimicarb	No information available
Chlorimuron ethyl	No information available
Propyrisulfuron	No information available
Pyrazosulfuron-ethyl	No information available

11.2.2 Other Information

Other Information	See Section 11.1
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12 Ecological information

12.1 Toxicity

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Fenazaquin	LC ₅₀ : 0.004mg/L (96h)(Fish)	EC ₅₀ : 0.004mg/L (48h)(Crustaceans)	No information available
Pirimicarb	LC ₅₀ : 78mg/L (96h)(Fish)	EC ₅₀ : 0.01mg/L (48h)(Crustaceans)	No information available
Hexazinone	LC ₅₀ :317mg/L (96h)(Fish)	EC ₅₀ : 118mg/L (48h)(Crustaceans)	ErC ₅₀ : 0.02mg/L (96h)(Algae)
Bensulfuron-methyl	No information available	EC ₅₀ : > 100mg/L (48h)(Crustaceans)	ErC ₅₀ : 17.8mg/L (96h)(Algae)
Imazalil	LC ₅₀ : 2mg/L (96h)(Fish)	EC ₅₀ : 3.35mg/L (48h)(Crustaceans)	No information available
Tribenuron methyl	No information available	EC ₅₀ : > 320mg/L (48h)(Crustaceans)	No information available
Prometryn	LC ₅₀ : 4.5mg/L (96h)(Fish)	EC ₅₀ : 14.1mg/L (48h)(Crustaceans)	ErC ₅₀ : 0.02mg/L (96h)(Algae)
Metsulfuron methyl	No information available	No information available	ErC ₅₀ : 9.91mg/L (96h)(Algae)
Chlorimuron ethyl	LC ₅₀ : > 120mg/L (96h)(Fish)	EC ₅₀ : 1000mg/L (48h)(Crustaceans)	No information available
Acetonitrile	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : > 1000mg/L (48h)(Crustaceans)	ErC ₅₀ : >700mg/L (72h)(Algae)
Diazinon	LC ₅₀ : 2.76mg/L (96h)(Fish)	EC ₅₀ : 0.00122mg/L (48h)(Crustaceans)	No information available
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thio pyran-3-yl)-	No information available	EC ₅₀ : 132.5mg/L (48h)(Crustaceans)	No information available

Cyprodinil	LC ₅₀ : 2.3mg/L (96h)(Fish)	EC ₅₀ : 0.03mg/L (48h)(Crustaceans)	No information available
Thiabendazole	LC ₅₀ : 3.8mg/L (96h)(Fish)	EC ₅₀ : 0.67mg/L (48h)(Crustaceans)	No information available
Chlorsulfuron	LC ₅₀ : 40mg/L (96h)(Fish)	EC ₅₀ : 370mg/L (48h)(Crustaceans)	ErC ₅₀ : 0.75mg/L (96h)(Algae)

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Acetonitrile	NOEC : 102mg/L(Fish)	NOEC : >960mg/L(Crustaceans)	NOEC : 700mg/L(Algae)
Chlorimuron ethyl	NOEC : 7.6mg/L(Fish)	No information available	No information available

12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Diazinon	High	High
Buprofezin	High	High
Bensulfuron-methyl	High	High
Chlorsulfuron	High	High
Metsulfuron methyl	High	High
Prometryn	High	High
Hexazinone	High	High
Imazalil	High	High
Thiabendazole	High	High
Pirimicarb	High	High
Chlorimuron ethyl	High	High

12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Diazinon	Medium	BCF=540
Buprofezin	Medium	Log Kow=4.2966
Bensulfuron-methyl	Low	Log Kow=1.8541
Chlorsulfuron	Low	Log Kow=2.5719
Metsulfuron methyl	Low	Log Kow=1.7626
Prometryn	Low	Log Kow=3.51
Hexazinone	Low	Log Kow=1.85
Imazalil	High	Log Kow=4.56
Thiabendazole	Low	Log Kow=2.47
Pirimicarb	Low	Log Kow=2.2662
Chlorimuron ethyl	Low	Log Kow=2.6449

12.4 Mobility in soil

Component	log Koc	Remark
Acetonitrile	0.653	
Diazinon	3.126	
Buprofezin	3.759	
Bensulfuron-methyl	2.487	
Chlorsulfuron	3.131	
Metsulfuron methyl	2.592	
Prometryn	2.41896	
Hexazinone	2.788	
Imazalil	4.176	
Thiabendazole	3.345	
Clothianidin	1.92~2.54	
Pirimicarb	2.485	
Chlorimuron ethyl	2.858	

12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Acetonitrile	Not PBT/vPvB
Diazinon	Insufficient information, temporarily unable to evaluate
Tribenuron methyl	Insufficient information, temporarily unable to evaluate
Fenazaquin	Insufficient information, temporarily unable to evaluate
Buprofezin	Insufficient information, temporarily unable to evaluate
Etoxazole	Insufficient information, temporarily unable to evaluate
Tralkoxydim	Insufficient information, temporarily unable to evaluate
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	Insufficient information, temporarily unable to evaluate
Bensulfuron-methyl	Insufficient information, temporarily unable to evaluate
Chlorsulfuron	Insufficient information, temporarily unable to evaluate
Cinosulfuron	Insufficient information, temporarily unable to evaluate
Cyclosulfamuron	Insufficient information, temporarily unable to evaluate
Ethoxysulfuron	Insufficient information, temporarily unable to evaluate
Flucetosulfuron	Insufficient information, temporarily unable to evaluate
Iodosulfuron-methyl sodium	Insufficient information, temporarily unable to evaluate
Mesosulfuron-methyl	Insufficient information, temporarily unable to evaluate
Metsulfuron methyl	Insufficient information, temporarily unable to evaluate

Thifensulfuron methyl	Insufficient information, temporarily unable to evaluate
Triasulfuron	Insufficient information, temporarily unable to evaluate
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	Insufficient information, temporarily unable to evaluate
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	Insufficient information, temporarily unable to evaluate
Prometryn	Insufficient information, temporarily unable to evaluate
Hexazinone	Insufficient information, temporarily unable to evaluate
Imazalil	Insufficient information, temporarily unable to evaluate
Propamocarb	Insufficient information, temporarily unable to evaluate
Thiabendazole	Insufficient information, temporarily unable to evaluate
Benzeneacetamide,N-[[[cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-, [N(Z)]-	Insufficient information, temporarily unable to evaluate
Cyprodinil	Insufficient information, temporarily unable to evaluate
Pyrimethanil	Insufficient information, temporarily unable to evaluate
Clothianidin	Insufficient information, temporarily unable to evaluate
Pirimicarb	Insufficient information, temporarily unable to evaluate
Chlorimuron ethyl	Insufficient information, temporarily unable to evaluate
Propyrisulfuron	Insufficient information, temporarily unable to evaluate
Pyrazosulfuron-ethyl	Insufficient information, temporarily unable to evaluate

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Acetonitrile	No information available
Diazinon	No information available
Tribenuron methyl	No information available
Fenazaquin	No information available
Buprofezin	No information available
Etoxazole	No information available
Tralkoxydim	No information available
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	No information available
Bensulfuron-methyl	No information available
Chlorsulfuron	No information available

Cinosulfuron	No information available
Cyclosulfamuron	No information available
Ethoxysulfuron	No information available
Flucetosulfuron	No information available
Iodosulfuron-methyl sodium	No information available
Mesosulfuron-methyl	No information available
Metsulfuron methyl	No information available
Thifensulfuron methyl	No information available
Triasulfuron	No information available
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	No information available
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	No information available
Prometryn	No information available
Hexazinone	No information available
Imazalil	No information available
Propamocarb	No information available
Thiabendazole	No information available
Benzeneacetamide, N-[[[cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-, [N(Z)]-	No information available
Cyprodinil	No information available
Pyrimethanil	No information available
Clothianidin	No information available
Pirimicarb	No information available
Chlorimuron ethyl	No information available
Propyrisulfuron	No information available
Pyrazosulfuron-ethyl	No information available

12.7 Other adverse effects

	No information available
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13 Disposal considerations

13.1 Waste treatment methods

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

Disposal recommendations	Refer to section waste chemicals and contaminated packaging.
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14 Transport information

Label and Mark

Transporting Label	 
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IMDG-CODE

14.1 UN number	3021
14.2 UN proper shipping name	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. , flashpoint less than 23 °C
14.3 Transport hazard class	3+6.1
14.4 Packing group	II
14.5 Environmental hazards (Yes or no)	No

IATA-DGR

14.1 UN number	3021
14.2 UN proper shipping name	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash point less than 23 °C
14.3 Transport hazard class	3+6.1
14.4 Packing group	II
14.5 Environmental hazards (Yes or no)	No

UN-ADR

14.1 UN number	3021
14.2 UN proper shipping name	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash point less than 23 °C
14.3 Transport hazard class	3+6.1
14.4 Packing group	II
14.5 Environmental hazards (Yes or no)	No

Special precautions for user

	<p>Transit should be anti-exposure, rain, high temperature. Strictly prohibited shipping or transportation with acids, alkalis, oxidants, food and food additives etc. Shipment of the goods vehicle exhaust pipe must be equipped with fire retardant devices, prohibit using mechanical equipment and tools of which easy to produce sparks. Transit should be anti-exposure, anti-rain, anti-high temperature. Transportation used tank (tank) cars should be grounded chain, tank can be installed to reduce the partition hole static electricity shocks. Strictly prohibited shipping or transportation with oxidants, acids, food and food additives etc. When bulk transport, Prohibit the use of cement or wooden boats. Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.</p>
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Maritime transport in bulk according to IMO instruments

◆ Transport in bulk according to Annex II of MARPOL and the IBC code

Not Available

◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Not Available

◆ Transport in bulk in accordance with the IGC Code

Not Available

15 Regulatory information**| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****| International chemical inventory**

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Acetonitrile	√	√	√	√	√	√	√	√	√	√	√	√	√
Diazinon	√	√	√	√	√	√	√	×	√	×	√	√	√
Tribenuron methyl	×	×	×	×	√	×	×	×	×	×	×	√	×
Fenazaquin	×	×	×	×	√	×	√	×	×	×	×	√	√
Buprofezin	√	×	×	×	√	√	√	×	×	×	√	√	√
Etoxazole	×	×	×	×	√	×	×	×	×	×	√	√	√
Tralkoxydim	×	×	×	×	√	×	×	×	×	×	√	√	√
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	×	×	×	×	×	×	×	×	×	×	√	√	×
Bensulfuron-methyl	√	×	×	×	√	×	√	×	×	×	×	√	√
Chlorsulfuron	√	√	×	×	√	×	×	×	×	×	×	√	√
Cinosulfuron	×	×	×	×	×	×	√	×	×	×	×	√	√
Cyclosulfamuron	√	×	×	×	×	×	√	×	×	×	×	√	√
Ethoxysulfuron	×	×	×	×	×	×	√	×	×	×	×	√	√
Flucetosulfuron	×	×	×	×	×	×	×	×	×	×	×	×	×
Iodosulfuron-methyl sodium	×	×	×	×	√	×	×	×	×	×	×	√	×
Mesosulfuron-methyl	×	×	×	×	×	×	×	×	×	×	×	√	×
Metsulfuron methyl	√	×	×	×	√	×	×	×	×	×	√	√	√
Thifensulfuron methyl	×	×	×	×	√	×	×	×	×	×	√	√	√
Triasulfuron	×	×	×	×	×	×	×	×	×	×	√	√	√
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	×	×	×	√	×	×	×	×	√	×	×	√	√
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethyl sulphamate	×	√	×	×	√	×	×	×	×	×	×	√	√
Prometryn	√	√	×	×	√	×	√	×	√	×	√	√	√
Hexazinone	√	√	√	×	√	×	√	×	√	×	√	√	×

Imazalil	×	√	×	×	√	×	×	×	√	×	√	√	√
Propamocarb	×	×	×	×	√	×	√	×	×	×	×	√	√
Thiabendazole	√	√	√	×	√	√	√	√	√	√	√	√	√
Benzeneacetamide,N-[[[(cy clopropylmethoxy)amino][2,3-difluoro-6-(trifluorome thyl)phenyl]methylene]-, [N(Z)]-	×	×	×	×	×	×	×	×	×	×	×	√	√
Cyprodinil	×	×	×	×	√	×	√	×	×	×	×	√	√
Pyrimethanil	√	×	×	×	√	×	√	×	×	×	√	√	√
Clothianidin	√	×	×	×	√	×	×	×	√	×	√	√	√
Pirimicarb	√	√	×	×	√	×	√	×	×	×	√	√	√
Chlorimuron ethyl	√	×	×	×	√	×	×	×	×	×	×	√	√
Propyrisulfuron	×	×	×	×	×	×	×	×	×	×	×	√	×
Pyrazosulfuron-ethyl	×	×	×	×	√	×	√	×	×	×	×	√	√

- [A] China Inventory of Existing Chemical Substances(IECSC)
 [B] European Inventory of Existing Commercial Chemical Substances(EC inventory)
 [C] United States Toxic Substances Control Act Inventory(TSCA)
 [D] Canadian Domestic Substances List(DSL)
 [E] New Zealand Inventory of Chemicals(NZIoC)
 [F] Philippines Inventory of Chemicals and Chemical Substances(PICCS)
 [G] Korea Existing Chemicals Inventory(KECL)
 [H] Australian. Inventory of Industrial Chemical (AIICS)
 [I] Japan Inventory of Existing & New Chemical Substances(ENCS)
 [J] Thailand Existing Chemicals Inventory(TECI)
 [K] Mexico National Inventory of Chemical Substances (INSQ)
 [L] Russia Inventory of Existing Substances(DRAFT)
 [M] Inventory of Existing Chemical Substances in Taiwan, China (TCSI)

List of Chemical Substances under International Conventions

Component	A	B	C
Acetonitrile	×	×	×
Diazinon	×	×	×
Tribenuron methyl	×	×	×
Fenazaquin	×	×	×
Buprofezin	×	×	×
Etoxazole	×	×	×
Tralkoxydim	×	×	×
3,5-Dithia-2,4-diazahexan amide,N-(4,6-dimethoxy-2 -pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	×	×	×
Bensulfuron-methyl	×	×	×
Chlorsulfuron	×	×	×
Cinosulfuron	×	×	×
Cyclosulfamuron	×	×	×

Ethoxysulfuron	x	x	x
Flucetosulfuron	x	x	x
Iodosulfuron-methyl sodium	x	x	x
Mesosulfuron-methyl	x	x	x
Metsulfuron methyl	x	x	x
Thifensulfuron methyl	x	x	x
Triasulfuron	x	x	x
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	x	x	x
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulphamate	x	x	x
Prometryn	x	x	x
Hexazinone	x	x	x
Imazalil	x	x	x
Propamocarb	x	x	x
Thiabendazole	x	x	x
Benzeneacetamide,N-[[[cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-,[N(Z)]-	x	x	x
Cyprodinil	x	x	x
Pyrimethanil	x	x	x
Clothianidin	x	x	x
Pirimicarb	x	x	x
Chlorimuron ethyl	x	x	x
Propyrisulfuron	x	x	x
Pyrazosulfuron-ethyl	x	x	x

【A】 The Montreal Protocol on Substances that Deplete the Ozone Layer

【B】 Stockholm Convention on Persistent Organic Pollutants (POPs)

【C】 Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

European chemical inventory

Component	A	B	C	D	E	F	G	H	I
Acetonitrile	x	x	x	√	√	x	x	x	x
Diazinon	x	x	x	√	x	x	x	x	x
Tribenuron methyl	x	x	x	√	√	x	x	x	x
Fenazaquin	x	x	x	√	√	x	x	x	x
Buprofezin	x	x	x	√	x	x	x	x	x
Etoazole	x	x	x	√	x	x	x	x	x

Tralkoxydim	x	x	x	√	x	x	x	x	x
3,5-Dithia-2,4-diazahexanamide,N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-,3,3,5,5-tetraoxide	x	x	x	√	x	x	x	x	x
Bensulfuron-methyl	x	x	x	√	√	x	x	x	x
Chlorsulfuron	x	x	x	√	x	x	x	x	x
Cinosulfuron	x	x	x	√	x	x	x	x	x
Cyclosulfamuron	x	x	x	√	x	x	x	x	x
Ethoxysulfuron	x	x	x	√	x	x	x	x	x
Flucetosulfuron	x	x	x	x	x	x	x	x	x
Iodosulfuron-methyl sodium	x	x	x	√	x	x	x	x	x
Mesosulfuron-methyl	x	x	x	√	x	x	x	x	x
Metsulfuron methyl	x	x	x	√	x	x	x	x	x
Thifensulfuron methyl	x	x	x	√	x	x	x	x	x
Triasulfuron	x	x	x	√	√	x	x	x	x
2-Cyclohexen-1-one,2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	x	x	x	√	√	x	x	x	x
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulfamate	x	x	x	√	x	x	x	x	x
Prometryn	x	x	x	√	√	x	x	x	x
Hexazinone	x	x	x	√	x	x	x	x	x
Imazalil	x	x	x	√	x	x	x	x	x
Propamocarb	x	x	x	√	x	x	x	x	x
Thiabendazole	x	x	x	√	x	x	x	x	x
Benzeneacetamide,N-[[[(cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-,[N(Z)]-Cyprodinil	x	x	x	√	x	x	x	x	x
Pyrimethanil	x	x	x	√	x	x	x	x	x
Clothianidin	x	x	x	√	√	x	x	x	x
Pirimicarb	x	x	x	√	x	x	x	x	x
Chlorimuron ethyl	x	x	x	√	√	x	x	x	x
Propyrisulfuron	x	x	x	x	x	x	x	x	x
Pyrazosulfuron-ethyl	x	x	x	√	x	x	x	x	x

- [A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
 [B] Substances requiring authorisation under EU REACH regulation
 [C] Substances restricted under EU REACH
 [D] Pre-registered substances under EU REACH
 [E] Registered substances under EU REACH
 [F] Substance Evaluation – CoRAP under EU REACH
 [G] List of priority substances under EU water policy (Directive 2455/2001/EC)
 [H] Substances subject to POPs Regulation
 [I] Substances proposed as POPs

Note:

“√” Indicates that the substance included in the regulations.

“x” No data or not included in the regulations.

German water hazard class(WGK)

Component	WGK	Remark
Acetonitrile	WGK 2	
Diazinon	WGK 3	
3,5-Dithia-2,4-diaza-hexanamide, N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	WGK 1	
Ethoxysulfuron	WGK 2	
Iodosulfuron-methyl sodium	WGK 2	
Mesosulfuron-methyl	WGK 2	
Thiabendazole	WGK 2	
Pyrimethanil	WGK 2	

【WGK 1】 slightly hazardous to water

【WGK 2】 obviously hazardous to water

【WGK 3】 highly hazardous to water

【nwg】 non-hazardous to water

【awg】 hazardous to water in general

German technical instructions on air quality control(TA LUFT)

Component	TA LUFT	Remark
Diazinon	Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m ³	
Tribenuron methyl	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	

Fenazaquin	Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m ³	
Etiozazole	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Tralkoxydim	Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m ³	
3,5-Dithia-2,4-diazahexanamide, N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Bensulfuron-methyl	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Chlorsulfuron	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not	

	<p>allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Ethoxysulfuron	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Iodosulfuron-methyl sodium	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Mesosulfuron-methyl	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Metsulfuron methyl	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated</p>	

	<p>as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Thifensulfuron methyl	<p>Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Triasulfuron	<p>Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
2-Cyclohexen-1-one,2-[1-(ethoxymino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	<p>Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m³</p>	
5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulphamate	<p>Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m³</p>	
Prometryn	<p>Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or</p>	

	<p>Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Hexazinone	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Imazalil	<p>Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas:Mass flow:0,10 kg/hr or Mass conc.:20 mg/m³</p>	
Thiabendazole	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m³.</p>	
Cyprodinil	<p>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m³ The mass per unit volume of 0,15 g/m³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration</p>	

	must not exceed 10 mg/m ³ .	
Pyrimethanil	Chapter 5.2.5 Organic Substances, dust, including fine dust. To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values: Mass flow: 0,20 kg/hr or Mass conc.: 20 mg/m ³ The mass per unit volume of 0,15 g/m ³ in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h. For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m ³ .	
Clothianidin	Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m ³	
Pirimicarb	Chapter 5.2.5 Organic Substances, class I. The following values are in all not allowed to be exceeded in the exhaust gas: Mass flow: 0,10 kg/hr or Mass conc.: 20 mg/m ³	

German technical rules for hazardous substances (TRGS)

Component	TRGS	Remark
Acetonitrile	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Diazinon	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 523	
Tribenuron methyl	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Fenazaquin	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510	
Etoxazole	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Tralkoxydim	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
3,5-Dithia-2,4-diazahexanamide, N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Bensulfuron-methyl	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS	

	800	
Chlorsulfuron	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510	
Ethoxysulfuron	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510	
Iodosulfuron-methyl sodium	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Mesosulfuron-methyl	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Metsulfuron methyl	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510	
Thifensulfuron methyl	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510	
Triasulfuron	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
2-Cyclohexen-1-one,2-[1-(ethoxymino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510	
5-butyl-2-ethylamino-6-methylpyrimidin-4-ylidimethylsulphamate	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Prometryn	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Hexazinone	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Imazalil	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Thiabendazole	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 402 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Cyprodinil	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510 TRGS 800	
Pyrimethanil	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510	
Clothianidin	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Pirimicarb	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 401 TRGS 500 TRGS 509 TRGS 510	

	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
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16 Other information

Information on revision

Creation Date	2025/12/22
Revision Date	-
Reason for revision	-

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.