

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

1.1. Product identifier

Trade name or designation of the mixture STAINLESS STEEL CLEANER FG

Registration number -

Synonyms None.

Product code BDS002557AE

Issue date 27-May-2021

Version number 01

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

Identified uses Cleaners - Heavy duty

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name CRC Industries UK Ltd.

Address
Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom

Telephone +44 1278 727200

Fax +44 1278 425644

E-mail hse.uk@crcind.com

Website www.crcind.com

1.4. Emergency telephone number Tel.:(+44)(0)1278 72 7200 (office hours)

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Austria National Poisons Information Centre +431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Belgium National Poisons Control Center 070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Bulgaria National Toxicological Information Centre +359 2 9154233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Czech Republic National Poisons Information Centre +420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons Control Center +45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Estonia National Poisons Information Centre 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)

Finland National Poison Information Center (09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons Control Center ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Hungary National Emergency Phone Number 36 80 20 11 99 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Lithuania Neatidėliotina informacija apsinuodijus +370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Malta Accident and Emergency Department 2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Netherlands National Poisons Information Center (NVIC)	030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway Norwegian Poison Information Center	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Romania Biroul RSI si Informare Toxicologica	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
Slovakia National Toxicological Information Centre	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Sweden National Poison Information Center	112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards			
Aerosols	Category 3		H229 - Pressurized container: May burst if heated.
Health hazards			
Serious eye damage/eye irritation	Category 2		H319 - Causes serious eye irritation.

Hazard summary Aerosol CONTENTS UNDER PRESSURE.
Pressurised container may explode when exposed to heat or flame. Causes serious eye irritation. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Decyl alcohol, ethoxylated

Hazard pictograms



Signal word Warning

Hazard statements

H229 Pressurized container: May burst if heated.
H319 Causes serious eye irritation.

Precautionary statements

Prevention

P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251 Do not pierce or burn, even after use.
P280 Wear eye protection/face protection.

Response Not assigned.

Storage

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Not assigned.

Supplemental label information EUH208 - Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE. May produce an allergic reaction.

26% by mass of the contents are flammable.
Regulation (EC) No 648/2004 on detergents:
aliphatic hydrocarbons 15-30%
non-ionic surfactants <5%

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	10 - 25	EC926-141-6	01-2119456620-43	-	
Classification: Asp. Tox. 1;H304					
Decyl alcohol, ethoxylated	0 - 2,5	26183-52-8 500-046-6	-	-	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg), Eye Dam. 1;H318					
1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE	0 - 0,05	2634-33-5 220-120-9	01-2120761540-60	613-088-00-6	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg), Acute Tox. 2;H330;(ATE: 0,5 mg/l), Skin Irrit. 2;H315, Eye Dam. 1;H318, Skin Sens. 1;H317, Aquatic Acute 1;H400, Aquatic Chronic 2;H411					
Specific Concentration Limits: Skin Sens. 1;H317: C >= 0.05 %					

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Note A: Not registered due to polymer status (no longer polymer list - directive 92/32/EEC).

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

4.2. Most important symptoms and effects, both acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

Will burn if involved in a fire.

5.1. Extinguishing media

Suitable extinguishing media

Foam. Dry chemicals. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapour pressure build up.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
For emergency responders	Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. This product is miscible in water. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Do not re-use empty containers. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10 of the SDS).

Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria	Type	Value	
Components			
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	TWA (MAK)	200 ppm	
Belgium. Exposure Limit Values			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work			
Components	Type	Value	
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	
Czech Republic. OELs. Government Decree 361			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TLV	1 mg/m3	Mist.

Germany Components	Type	Value	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	TWA	300 mg/m3	
Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Respirable fraction.
Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	AGW	5 mg/m3	Respirable fraction.
Greece. OELs (Decree No. 90/1999, as amended)			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree on Chemical Safety of Workplaces			
Components	Type	Value	
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	
Iceland. OELs. Regulation 154/1999 on occupational exposure limits			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure Limits			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
Italy. Occupational Exposure Limits			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
Lithuania. OELs. Limit Values for Chemical Substances, General Requirements			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Netherlands			
Components	Type	Value	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	TWA (MAC)	1200 mg/m3	
Netherlands. OELs (binding)			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Mist.
Norway. Administrative Norms for Contaminants in the Workplace			
Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TLV	1 mg/m3	Mist.

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m ³	Inhalable fraction.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m ³	Inhalable fraction.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m ³	
	TWA	5 mg/m ³	

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	3 mg/m ³	Fume and mist.
		15 ppm	Fume and mist.
	TWA	1 mg/m ³	Fume and mist.
		5 ppm	Fume and mist.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m ³	Respirable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	3 mg/m ³	Mist.
	TWA	1 mg/m ³	Mist.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m ³	Inhalable fraction.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General Population

Components	Value	Assessment factor	Notes
1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE (CAS 2634-33-5)			
Long-term, Systemic, Dermal	0,345 mg/kg bw/day	200	Repeated dose toxicity
Long-term, Systemic, Inhalation	1,2 mg/m ³	50	Repeated dose toxicity
White mineral oil (CAS 8042-47-5)			
Long-term, Systemic, Dermal	93 mg/kg bw/day		
Long-term, Systemic, Inhalation	35 mg/m ³		

Workers

Components	Value	Assessment factor	Notes
1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE (CAS 2634-33-5)			
Long-term, Systemic, Dermal	0,966 mg/kg bw/day	100	Repeated dose toxicity

Long-term, Systemic, Inhalation	6,81 mg/m ³	25	Repeated dose toxicity
White mineral oil (CAS 8042-47-5)			
Long-term, Systemic, Dermal	220 mg/kg bw/day		
Long-term, Systemic, Inhalation	160 mg/m ³		

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
White mineral oil (CAS 8042-47-5)			
Secondary poisoning	17 g/kg	300	Oral

8.2. Exposure controls

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

Skin protection

- Hand protection When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Neoprene gloves are recommended. Suitable gloves can be recommended by the glove supplier.

- Other Not available.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge. (Filter type ABEK)

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Form	Aerosol
Colour	White.
Odour	Characteristic odor.
Melting point/freezing point	-182 °C (-295,6 °F) estimated
Boiling point or initial boiling point and boiling range	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Flash point	> 100,0 °C (> 212,0 °F)
Auto-ignition temperature	> 200 °C (> 392 °F)
Decomposition temperature	Not available.
pH	9,8
Solubility(ies)	
Solubility (water)	Soluble in water
Vapour pressure	3000 hPa estimated
Vapour density	Not available.
Relative density	0,96 g/cm ³

Relative density temperature 20 °C (68 °F)

Particle characteristics Not available.

9.2 Other safety characteristics

Aerosol spray enclosed space

Deflagration density > 300 s/m³

Aerosol spray ignition distance < 15 cm

Chemical family Cleaner

Evaporation rate Not applicable.

Explosive properties Not explosive.

Heat of combustion (NFPA 30B) 3,24 kJ/g estimated

Oxidising properties Not oxidising.

VOC 152 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Avoid high temperatures.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products Carbon oxides.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.

Skin contact May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

11.1. Information on toxicological effects

Acute toxicity Classification based on calculation method. Based on available data, the classification criteria are not met.

Product	Species	Test Results
STAINLESS STEEL CLEANER FG		
Acute		
Dermal		
LD50	Rabbit	5677 mg/kg
Inhalation		
LC50	Rat	13528 mg/m3, 8 h
Oral		
LD50	Rat	7827 mg/kg
Components		
Species		
Test Results		
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Inhalation		
LC50	Rat	> 5000 mg/m3, 8 h

Components	Species	Test Results
Oral LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitisation	Based on available data, the classification criteria are not met.	
Skin sensitisation	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)		
Not listed.		
Reproductive toxicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Not likely, due to the form of the product.	
Mixture versus substance information	Not available.	
11.2. Information on other hazards		
Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.	
Other information	May cause allergic respiratory and skin reactions.	

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE (CAS 2634-33-5)		
Aquatic		
<i>Acute</i>		
Crustacea	LC50	Harpacticoid copepod (<i>Nitocra spinipes</i>) 21 - 30 mg/l, 96 hours
Fish	LC50	Bleak (<i>Alburnus alburnus</i>) 8 - 13 mg/l, 96 hours
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Aquatic		
<i>Acute</i>		
Algae	LC50	Algae 1000 mg/l, 72 h
Crustacea	EC50	Daphnia 1000 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss 1000 mg/l, 96 h
12.2. Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.	
12.3. Bioaccumulative potential		
Partition coefficient n-octanol/water (log Kow)	Not available.	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	No data available.	
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.	
12.6. Endocrine disrupting properties	None known	
12.7. Other adverse effects	The product contains volatile organic compounds which have a photochemical ozone creation potential.	

12.8. Additional information

Estonia Dangerous substances in soil Data

1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE (CAS 2634-33-5)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg
	Chemical pesticides (As the total sum of the active substances) 20 mg/kg
	Chemical pesticides (As the total sum of the active substances) 5 mg/kg

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
Hazard No. (ADR)	Not available.
Tunnel restriction code	(E)
ADR/RID - Classification code:	5A
14.4. Packing group	Not applicable
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
14.4. Packing group	Not applicable
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
14.4. Packing group	Not applicable
14.5. Environmental hazards	
Marine pollutant	No
EmS	F-D, S-U
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

14.7. Maritime transport in bulk according to IMO instruments Not established.



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

1,2-BENZISOTHIAZOL-3(2H)-ONE;1,2-BENZISOTHIAZOLIN-3-ONE (CAS 2634-33-5)

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

This safety data sheet conforms to the following laws, regulations and standards:

Act on the management of packaging and packaging waste of June 13, 2013
Regulation of the Minister of Health of June 11, 2012 on the categories of dangerous substances and dangerous preparations whose packaging should be fitted with child-resistant closures and a tactile warning of danger
REGULATION OF THE MINISTER OF HEALTH of February 2, 2011 on tests and measurements of factors harmful to health in working environments
Regulation of Ministry of Labor and Social Policy of June 6, 2014. On the matter of maximum permissible concentrations and intensities of harmful factors in the work environment (Journal of Laws 2014, item. 817)
Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices Decree No. 25/2000. (IX. 30.) EüM-SzCsM of the Minister of Health and the Minister of Social and Family Affairs on chemical safety at work
Act No. 93 of 1993 on Labour Safety (1993.évi XCIII.), as amended
Government Decree No. 220 of 2004 (VII. 21.) providing rules on the protection of surface waters quality
Government Decree No. 98/2001 (VI. 15.), on the conditions of the activities related to hazardous waste, and Ministry of Environmental Affairs Decree No. 16/2001 (VII. 18.), on the register of waste
Public Act No. XXV of 2000 on Chemical Safety, and Application Decree No. 44/2000. (XII.27.) EüM [of the Ministry of Health]
Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
CAS: Chemical Abstract Service.
Ceiling: Short Term Exposure Limit Ceiling value.
CEN: European Committee for Standardization.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
GWP: Global Warming Potential.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAC: Maximum Allowed Concentration.
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
VOC: Volatile organic compounds.
vPvB: Very persistent and very bioaccumulative.
STEL: Short-term Exposure Limit.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Revision information

None.

Training information

Follow training instructions when handling this material.

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