

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830, Amending Regulation (EC) No 1907/2006

Printing date 30.07.2021

Revision: 30.07.2021

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

1.1 Product identifier

Trade name:

SELMAT/ KALOCHEM SANDALWOOD

Article number:

4263225

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

Application of the substance / the mixture

Not for personal use. Only for industrial use.

This material is for industrial use only in household products, cosmetics, fragrances and fragranced products. Our products are Inedible and are not used for food production.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

G.O.S.B. Gebze OSB Mah. 3300 Cad. No:3306/1 PK.41400
Gebze – Kocaeli / TÜRKİYE

Further information obtainable from:

kalite@gulcicek.com

1.4 Emergency telephone number:

+90 (262) 677 00 00 pbx Only available during office hours (UTC+2)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS09 environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS07

GHS09

Signal word

Warning

Hazard-determining components of labelling:

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

Guaiacwood oil

Cedrol methyl ether

6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

Description:

Multi component mixture.

Dangerous components:

CAS: 54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	25-30%
EINECS: 259-174-3	Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	
CAS: 65113-99-7	5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	5-10%
EINECS: 265-453-0	Aquatic Chronic 2, H411; Eye Irrit. 2, H319	
CAS: 1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	2.5-5%
EINECS: 214-946-9	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Index number: 603-212-00-7		
CAS: 89958-10-1	Guaiacwood oil	1-2.5%
EINECS: 289-632-8	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317	

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		(Contd. of page 1)
CAS: 63500-71-0	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	1-2.5%
ELINCS: 405-040-6	Eye Irrit. 2, H319	
CAS: 29895-73-6	Phenylacetaldehyde glyceryl acetal	1-2.5%
EINECS: 249-934-2	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 139504-68-0	2-t-Butylcyclohexyloxy-2-butanol	1-2.5%
ELINCS: 412-300-2	Aquatic Chronic 2, H411	
Index number: 603-154-00-2		
CAS: 19870-74-7	Cedrol methyl ether	1-2.5%
EINECS: 243-384-7	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	
CAS: 33704-61-9	6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone	0.1-1%
EINECS: 251-659-3	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 92201-55-3	Cedarwood oil, Atlas	0.1-1%
EINECS: 295-985-9	Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 81-14-1	musk ketone	0.1-1%
EINECS: 201-328-9	Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Index number: 609-069-00-7		
CAS: 32388-55-9	Acetyl cedrene	0.1-1%
EINECS: 251-020-3	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	
CAS: 84961-50-2	Clove bud oil	0.1-1%
EINECS: 284-638-7	Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 89957-98-2	Olibanum oil	0.1-1%
EINECS: 289-620-2	Flam. Liq. 3, H226; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 111879-80-2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-one a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one	0.1-1%
ELINCS: 422-320-3		
Index number: 606-092-00-4	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 1205-17-0	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	0.1-1%
EINECS: 214-881-6	Repr. 2, H361; Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 93-28-7	Eugenyl acetate	0.1-1%
EINECS: 202-235-6	Acute Tox. 4, H302; Skin Sens. 1B, H317	
CAS: 37677-14-8	Isohexenyl cyclohexenyl carboxaldehyde	0.1-1%
EINECS: 253-617-4	Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	
CAS: 77-54-3	Cedryl acetate	0.1-1%
EINECS: 201-036-1	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	
CAS: 128-37-0	Butylated hydroxytoluene	0.1-1%
EINECS: 204-881-4	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	0.1-1%
EINECS: 203-161-7	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
CAS: 68155-66-8	1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	0.1-1%
EINECS: 268-978-3	Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	

. **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

. 4.1 Description of first aid measures

- . **After inhalation:** Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- . **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- . **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- . **After swallowing:** If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

. 5.1 Extinguishing media

- . **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
CO₂, foam, dry chemical.
Never use a direct water jet on burning material.

. 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

. 5.3 Advice for firefighters

- . **Protective equipment:** Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- . **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

. 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

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6.2 Environmental precautions:

Particular danger of slipping on leaked/spilled product.
Keep away from ignition sources.
Wear protective clothing.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
Organic solvent

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Store receptacle in a well ventilated area.
Protect from humidity and water.
Protect from exposure to the light.
Store in a cool place.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

Dermal DNEL Acute Local 0.1011 mg/cm² (workers)

Inhalative DNEL Chronic Systemic 1.76 mg/m³ (workers)

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Clear, Liquid
Colour: Colorless to very pale yellow
Odour: Spicy, Woody, Oriental

Flash point: 100°C

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Density at 25°C: 0.974 - 0.984 g/cm³

Refractive Index at 25° C: 1.4695-1.4765

Solubility in / Miscibility with

water: Fully miscible.

alcohols: Fully miscible.

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable in standard conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

10.4 Conditions to avoid Direct heat sources.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon Monoxide and Unidentified organic compounds may be formed during combustion.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone

Oral LD50 5000 mg/kg (rat)

Dermal LD50 5000 mg/kg (rat)

65113-99-7 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol

Oral LD50 >6750 mg/kg (rat)

1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

Oral LD50 >4640 mg/kg (rat)

Dermal LD50 >6500 mg/kg (rat)

32388-55-9 Acetyl cedrene

Oral LD50 4500 mg/kg

Dermal LD50 >2000 mg/kg (rat)

89957-98-2 Olibanum oil

Oral ATE 1823 mg/kg

>2000 mg/kg (rat)

111879-80-2 A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-one a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one

Oral LD50 >2000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

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.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

EC50 48h 1.38 mg/l (daphnia)

EC50 72h 2.6 mg/l (alg)

LC50 96h 1.3 mg/l (fish)

NOEC 42 h >100 mg/l (bacteria)

NOEC 30 d 0.16 mg/l (fish)

NOEC 21 d 0.028 mg/l (daphnia)

65113-99-7 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol

EC50 48h 1.1 mg/l (daphnia)

LC50 96h 2.3 mg/l (fish)

1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

EC50 48h 0.9 mg/l (daphnia)

ErC50 72h >0.854 mg/l (alg)

EbC50 72h >0.723 mg/l (alg)

LC50 21d 0.452 mg/l (fish)

NOEC 21 d 0.111 mg/l (daphnia)

32388-55-9 Acetyl cedrene

LC50 96h mg/l (fish)

111879-80-2 A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-one a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one

EC50 48h 0.48 mg/l (daphnia)

EC50 21d 0.079 mg/l (daphnia)

EC50 72h 5 mg/l (alg)

LC50 96h 2 mg/l (fish)

NOEC 0.027 mg/l (fish)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Remark:

Toxic for fish

Additional ecological information:

General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN3082

14.2 UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol), MARINE POLLUTANT

IMDG

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol)

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14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class 9 Miscellaneous dangerous substances and articles.
Label 9
14.4 Packing group III
14.5 Environmental hazards:
Marine pollutant: Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)
Special marking (IATA): Symbol (fish and tree)
14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles.
Hazard identification number (Kemler code): 90
EMS Number: F-A,S-F
Stowage Category A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information:

ADR
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
Transport category 3
Tunnel restriction code -

IMDG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE, 5-(2,2,3-TRIMETHYL-3-CYCLOPENTENYL)-3-METHYLPENTAN-2-OL), 9, III

SECTION 15: Regulatory information

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

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category E1 Hazardous to the Aquatic Environment
Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases H226 Flammable liquid and vapour.
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.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Recommended restriction of use This material is for industrial use only in household products, cosmetics, fragrances and fragranced products. Our products are Inedible and are not used for food production.

Classification according to Regulation (EC) No 1272/2008 The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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- . **Customs tariffs:** 3302.90.90.00.00
- . **Department issuing SDS:** Quality control department
- . **Contact:** S.Ulker
kalite@gulcicek.com
- . **Abbreviations and acronyms:** ADP: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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