SAFETY DATA SHEET



Fragrance 49432055

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

1.1 Product identifier

Product code : Fragrance 49432055
Product name : CHERRY BLOSSOM

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

Fragrance. Restricted to professional users. Industrial use only.

1.3 Details of the supplier of the safety data sheet

Supplier's details : drom fragrances GmbH & Co. KG

Oberdiller Straße 18 tel. +49 89 74425-0 fax. +49 89 7934966 D-82065 Baierbrunn

e-mail address of person responsible for this SDS

: safety@drom.com

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : www.rshm.gov.tr

Supplier

Emergency telephone number (with hours of

operation)

: +49 89 74425 288 9h - 17h (Mo - Fr)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361f (Fertility) Aquatic Chronic 2, H411

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms







Signal word : Warning

Hazard statements: H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H361f - Suspected of damaging fertility.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

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SECTION 2: Hazards identification

Prevention : P201 - Obtain special instructions before use.

P280 - Wear protective gloves. Wear eye or face protection. Wear protective

clothing.

P273 - Avoid release to the environment.

Response : P308 + P313 - IF exposed or concerned: Get medical attention.

P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Hazardous ingredients : 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

2,6-dimethyloct-7-en-2-ol

2-(4-tert-butylbenzyl)propionaldehyde

citronellol

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one

geraniol

pentadecan-15-olide

3-(4-tert-butylphenyl)propionaldehyde 2,4-dimethylcyclohex-3-en-1-carbaldehyde

methyl oct-2-ynoate

1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one

Supplemental label

elements

: Not applicable.

2.3 Other hazards

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.1 Substances : Not applicable.

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
7-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	REACH #: 01-2119489989-04	8.00	Skin Irrit. 2, H315	[1]
,	EC: 915-730-3 CAS: 54464-57-2 CAS: 68155-66-8 CAS: 68155-67-9		Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
3,7-dimethyloctan-3-ol	REACH #: 01-2119454788-21	5.00	Skin Irrit. 2, H315	[1]
	EC: 201-133-9 CAS: 78-69-3		Eye Irrit. 2, H319	
2,6-dimethyloct-7-en-2-ol	REACH #: 01-2119457274-37	5.00	Skin Irrit. 2, H315	[1]
	EC: 242-362-4 CAS: 18479-58-8		Eye Irrit. 2, H319	
benzyl acetate	REACH #: 01-2119638272-42 EC: 205-399-7 CAS: 140-11-4	4.00	Aquatic Chronic 3, H412	[1]
2-phenylethanol	REACH #: 01-2119963921-31	4.00	Acute Tox. 4, H302	[1]
	EC: 200-456-2 CAS: 60-12-8		Eye Irrit. 2, H319	

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SECTION 3: Composition/information on ingredients

2-(4-tert-butylbenzyl) propionaldehyde	REACH #: 01-2119485965-18 EC: 201-289-8 CAS: 80-54-6	4.00	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317	[1]
			Repr. 2, H361f (Fertility) Aquatic Chronic 2, H411	
citronellol	REACH #: 01-2119453995-23 EC: 203-375-0	3.51	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
	CAS: 106-22-9		Skin Sens. 1B, H317	
3-methyl-4-(2,6,6-trimethyl- 2-cyclohexen-1-yl)-3-buten- 2-one	EC: 204-846-3	3.15	Skin Irrit. 2, H315	[1]
2 0110	CAS: 127-51-5		Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	
geraniol	REACH #: 01-2119552430-49	2.50	Skin Irrit. 2, H315	[1]
	EC: 203-377-1 CAS: 106-24-1		Eye Dam. 1, H318 Skin Sens. 1, H317	
pentadecan-15-olide	REACH #: 01-2119987323-31	1.50	Skin Sens. 1B, H317	[1]
	EC: 203-354-6 CAS: 106-02-5		Aquatic Chronic 2, H411	
Oxacyclohexadecen-2-one	REACH #: 01-0000016883-62	1.10	Aquatic Acute 1, H400	[1]
	EC: 422-320-3 CAS: 34902-57-3 CAS: 111879-80-2 Index: 606-092-00-4		Aquatic Chronic 1, H410	
2-tert-butylcyclohexyl acetate	REACH #: 01-2119970713-33 EC: 201-828-7 EC: 243-718-1 CAS: 88-41-5 CAS: 20298-69	1.00	Aquatic Chronic 2, H411	[1]
4-methyl-3-decen-5-ol	REACH #: 01-2119983528-21 EC: 279-815-0 CAS: 81782-77-6	1.00	Aquatic Acute 1, H400	[1]
(Z)-3-hexenyl salicylate	EC: 265-745-8 CAS: 65405-77-8	0.80	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
3-(4-tert-butylphenyl) propionaldehyde	REACH #: 01-2119983533-30 EC: 242-016-2 CAS: 18127-01-0	0.50	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361f (Fertility) STOT RE 2, H373 (oral) Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type



SECTION 3: Composition/information on ingredients

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

Hydrocarbon. (Content) : 0.03%

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : Im

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or

waistband.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes.

Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing

before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air

and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open

airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It

may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear

gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/ :

<u>symptoms</u>

: Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide

carbon monoxide

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

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SECTION 6: Accidental release measures

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

	Notification and MAPP threshold	Safety report threshold
E2: Hazardous to the aquatic environment - Chronic 2	200	500
C9ii: Toxic for the environment	200	500

7.3 Specific end use(s)

Recommendations : Industrial use only.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

DNELs/DMELs

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SECTION 8: Exposure controls/personal protection

Product/ingredient name	Type	Exposure	Value	Population	Effects
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8, 8-tetramethyl-2-naphthyl)ethan- 1-one	DNEL	Long term Dermal	0.1011 mg/ cm ²	Workers	Local
	DNEL	Long term Inhalation	1.76 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	1.73 mg/ kg bw/day	Workers	Systemic
3,7-dimethyloctan-3-ol	DNEL	Long term Inhalation	2.75 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	2.5 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	2.76 mg/ cm ²	Workers	Local
	DNEL	Long term Inhalation	0.68 mg/ cm ²	Consumers	Systemic
	DNEL	Long term Oral	0.2 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Dermal	1.25 mg/ kg bw/day	Consumers	Systemic
	DNEL	Short term Dermal	2.76 mg/ cm ²	Consumers	Local
2,6-dimethyloct-7-en-2-ol	DNEL	Long term Inhalation	73.5 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	20.8 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	21.7 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	12.5 mg/ kg bw/day	Consumers	Systemic
	DNEL	Long term Oral	12.5 mg/ kg bw/day	Consumers	Systemic
benzyl acetate	DNEL	Long term Inhalation	21.9 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	43.8 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	6.25 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	12.5 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	5.5 mg/m³	Consumers	Systemic
	DNEL	Short term Inhalation	11 mg/m³	Consumers	Systemic

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SECTION 8: Exposure controls/personal protection

SECTION 8: Exposure cont	O.O, P	ordonar proto	Ction		
	DNEL	Long term Dermal	3.125 mg/ kg bw/day	Consumers	Systemic
	DNEL	Short term Dermal	6.25 mg/ kg bw/day	Consumers	Systemic
	DNEL	Long term Oral	3.125 mg/ kg bw/day	Consumers	Systemic
	DNEL	Short term Oral	6.25 mg/ kg bw/day	Consumers	Systemic
2-phenylethanol	DNEL	Long term Inhalation	59.9 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	21.2 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	17.7 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	12.7 mg/ kg bw/day	Consumers	Systemic
	DNEL	Long term Oral	5.1 mg/kg bw/day	Consumers	Systemic
2-(4-tert-butylbenzyl) propionaldehyde	DNEL	Long term Inhalation	0.44 mg/m³	Workers	Systemic
	DNEL	Short term Dermal	0.41 mg/ cm ²	Workers	Local
	DNEL	Long term Dermal	2.075 mg/ kg	Workers	Systemic
	DNEL	Long term Inhalation	0.11 mg/m³	Consumers	Systemic
	DNEL	Long term Oral	0.0625 mg/ kg	Consumers	Systemic
	DNEL	Long term Dermal	1.0375 mg/ kg	Consumers	Systemic
	DNEL	Short term Dermal	0.41 mg/ cm ²	Consumers	Local
citronellol	DNEL	Long term Inhalation	161.6 mg/ m³	Workers	Systemic
	DNEL	Long term Dermal	327.4 mg/ kg	Workers	Systemic
	DNEL	Short term Dermal	2.95 mg/ cm ²	Workers	Local
	DNEL	Long term Inhalation	47.8 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	196.4 mg/ kg	Consumers	Systemic
	DNEL	Long term Oral	13.8 mg/kg	Consumers	Systemic
	DNEL	Short term Dermal	2.95 mg/	Consumers	Local



SECTION 8: Exposure controls/personal protection

			cm²		
	DNEL	Long term Inhalation	10 mg/m³	Workers	Local
	DNEL	Long term Inhalation	10 mg/m³	Consumers	Local
geraniol	DNEL	Long term Inhalation	161.6 mg/ m³	Workers	Systemic
	DNEL	Long term Dermal	12.5 mg/kg	Workers	Systemic
	DNEL	Long term Dermal	11.8 mg/ cm ²	Workers	Local
	DNEL	Long term Oral	13.75 mg/ kg	Consumers	Systemic
	DNEL	Long term Inhalation	47.8 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	7.5 mg/kg	Consumers	Systemic
	DNEL	Long term Dermal	11.8 mg/ cm ²	Consumers	Local

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
-(1,2,3,4,5,6,7,8-octahydro-2,3,8, 8-tetramethyl-2-naphthyl)ethan-1-one	Fresh water	0.0028 mg/l	-
	Marine water	0.00028 mg/l	-
	Fresh water sediment	3.73 mg/kg	-
	Marine water sediment	0.75 mg/kg	-
	Soil	0.705 mg/kg	-
3,7-dimethyloctan-3-ol	Fresh water	0.0089 mg/l	-
	Marine water	0.00089 mg/l	-
	Sewage Treatment Plant	450 mg/l	-
	Fresh water sediment	0.0821 mg/kg	-
	Marine water sediment	0.00821 mg/kg	-
	Soil	0.0023 mg/kg	-
2,6-dimethyloct-7-en-2-ol	Fresh water	0.278 mg/l	-
	Marine water	0.278 mg/l	-
	Soil	0.103 mg/kg	-
	Fresh water sediment	0.594 mg/kg	-
	Marine water sediment	0.0594 mg/kg	-
penzyl acetate	Fresh water	0.004 mg/l	-
	Marine water	0.0004 mg/l	-

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SECTION 8: Exposure controls/personal protection

SECTION 8: Exposure controls/personal protection						
	Intermittent release	0.04 mg/l	-			
	Sewage Treatment Plant	8.55 mg/l	-			
	Fresh water sediment	0.114 mg/kg	-			
	Marine water sediment	0.0114 mg/kg	-			
	Soil	0.0205 mg/kg	-			
2-phenylethanol	Fresh water	0.215 mg/l	-			
	Marine water	0.0215 mg/l	-			
	Intermittent release	2.15 mg/l	-			
	Sewage Treatment Plant	10 mg/l	-			
	Fresh water sediment	1.454 mg/kg	-			
	Marine water sediment	0.1454 mg/kg	-			
	Soil	0.164 mg/kg	-			
2-(4-tert-butylbenzyl)propionaldehyde	Fresh water	0.00204 mg/l	-			
	Marine water	0.0002 mg/l	-			
	Fresh water sediment	0.269 mg/kg	-			
	Marine water sediment	0.0269 mg/kg	-			
	Soil	0.0525 mg/kg	-			
	Sewage Treatment Plant	10 mg/l	-			
citronellol	Fresh water	0.0024 mg/l	-			
	Marine water	0.00024 mg/l	-			
	Sewage Treatment Plant	580 mg/l	-			
	Fresh water sediment	0.0256 mg/kg	-			
	Marine water sediment	0.00256 mg/l	-			
	Soil	0.00371 mg/kg	-			
	Intermittent release	0.024 mg/l	-			

8.2 Exposure controls

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures



SECTION 8: Exposure controls/personal protection

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.

Color : Characteristic.

Odor : Characteristic.

Odor threshold : Not available.

pH : Not available.

Melting point/freezing point : Not available.

Initial boiling point and : Not available.

boiling range

Flash point : Closed cup: 99°C
Evaporation rate : Not available.

Upper/lower flammability or : Not available.

explosive limits

Vapor pressure : 0.05 hPa
Vapor density : Not available.

Density : 0.966 to 0.976 g/cm³ [20°C]
Solubility in water : Non water-soluble liquid

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SECTION 9: Physical and chemical properties

Partition coefficient: n-octanol/ : Not available.

water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C): <0.07 cm²/s (Estimated.)

Explosive properties : Not available.

Oxidizing properties : Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
3,7-dimethyloctan-3-ol	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
2,6-dimethyloct-7-en-2-ol	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	3600 mg/kg	-
benzyl acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	2490 mg/kg	-
2-phenylethanol	LD50 Dermal	Rabbit	2535 mg/kg	-
	LD50 Oral	Rat	1609 mg/kg	-
2-(4-tert-butylbenzyl) propionaldehyde	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	1390 mg/kg	-

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citronellol	LD50 Dermal	Rabbit	2650 mg/kg	-
	LD50 Oral	Rat	3450 mg/kg	-
3-methyl-4-(2,6,6-trimethyl- 2-cyclohexen-1-yl)-3-buten- 2-one	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
geraniol	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3600 mg/kg	-
pentadecan-15-olide	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	>5 g/kg	-
Oxacyclohexadecen-2-one	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
2-tert-butylcyclohexyl acetate	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	4600 mg/kg	-
4-methyl-3-decen-5-ol	LD50 Oral	Rat	8000 mg/kg	-
(Z)-3-hexenyl salicylate	LD50 Dermal	Rabbit	>5 g/kg	-
3-(4-tert-butylphenyl) propionaldehyde	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	2700 mg/kg	-

Acute toxicity estimates

Route	ATE value		
Oral	18643.8 mg/kg		

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
3,7-dimethyloctan-3-ol	Eyes - Moderate irritant	Rabbit	-	0.1 Mililiters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
2,6-dimethyloct-7-en-2-ol	Eyes - Mild irritant	Rabbit	-	7.5 Percent	-
	Skin - Mild irritant	Rabbit	-	4 hours 0.5 Mililiters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
2-phenylethanol	Eyes - Mild irritant	Rabbit	-	10 minutes 12 Grams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
2-(4-tert-butylbenzyl) propionaldehyde	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
citronellol	Eyes - Moderate irritant	Rabbit	-	0.42 Percent	-

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	Skin - Severe irritant	Guinea pig	-	24 hours 100 milligrams	-
	Skin - Moderate irritant	Man	-	48 hours 16 milligrams	-
	Skin - Moderate irritant	Rabbit	-	4 hours 0.42 Percent	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 milligrams	-
	Skin - Severe irritant	Rabbit	-	4 hours 0.5 Mililiters	-
geraniol	Skin - Mild irritant	Guinea pig	-	30 Percent	-
	Skin - Severe irritant	Guinea pig	-	24 hours 100 milligrams	-
	Skin - Severe irritant	Human	-	48 hours 32 Percent	-
	Skin - Severe irritant	Man	-	24 hours 16 milligrams	-
	Skin - Moderate irritant	Rabbit	-	4 hours 0.5 Mililiters	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	-	-

Sensitization

Product/ingredient name	Route of exposure	Species	Result
1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	skin	Mouse	Sensitizing
2-(4-tert-butylbenzyl) propionaldehyde	skin	Mouse	Sensitizing
	skin	Human	Sensitizing
citronellol	skin	Mouse	Sensitizing
geraniol	skin	Mouse	Sensitizing

Mutagenicity

Product/ingredient name	Test	Experiment	Result
1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	-	Experiment: In vitro	Negative
		Subject: Mammalian-Human	
	-	Experiment: In vivo Subject: Mammalian-Animal	Negative

Reproductive toxicity



SECTION 11: Toxicological information

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
2-(4-tert-butylbenzyl) propionaldehyde	-	Positive	-	Dog - Male	Oral	-

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
3-(4-tert-butylphenyl)propionaldehyde	Category 2	Oral	Not determined

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

irritation redness

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Carcinogenicity
 Mutagenicity
 No known significant effects or critical hazards.
 Teratogenicity
 No known significant effects or critical hazards.
 Developmental effects
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Fertility effects : Suspected of damaging fertility.

Interactive effects : Not available.

Toxicokinetics

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Absorption: Not available.Distribution: Not available.Metabolism: Not available.Elimination: Not available.Other information: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
7-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	Acute EC50 2.6 mg/l	Algae	72 hours
	Acute EC50 1.38 mg/l	Daphnia	48 hours
	Acute LC50 1.3 mg/l	Fish	96 hours
	Chronic NOEC 0.028 mg/l	Daphnia	21 days
	Chronic NOEC 0.16 mg/l	Fish	30 days
3,7-dimethyloctan-3-ol	Acute EC50 14.2 mg/l	Daphnia	48 hours
	Acute LC50 8.9 mg/l	Fish	96 hours
2,6-dimethyloct-7-en-2-ol	Acute EC50 3.88 mg/l	Algae	96 hours
	Acute LC50 5.7 mg/l	Daphnia	48 hours
	Acute LC50 4.81 mg/l	Fish	96 hours
benzyl acetate	Acute EC50 17 mg/l	Daphnia	48 hours
	Acute EC50 855 mg/l	Micro-organism	3 hours
	Acute IC50 114 mg/l	Algae	72 hours
	Acute LC50 4000 μg/l Fresh water	Fish - Oryzias latipes - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 52 mg/l	Algae	72 hours
2-phenylethanol	Acute EC50 287 mg/l	Daphnia	48 hours
	Acute LC50 460 mg/l	Fish	96 hours
2-(4-tert-butylbenzyl) propionaldehyde	Acute EC50 29.16 mg/l	Algae - Scenedesmus subspicatus	72 hours
	Acute EC50 10.7 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 2.04 mg/l	Fish - Brachydanio rerio	96 hours
citronellol	Acute EC10 580 mg/l	Micro-organism	30 minute
	Acute EC50 2.4 mg/l	Aquatic plants	72 hours
	Acute EC50 17.48 mg/l	Daphnia	48 hours
	Acute LC50 14.66 mg/l	Fish	96 hours
3-methyl-4-(2,6,6-trimethyl- 2-cyclohexen-1-yl)-3-buten-	Acute EC50 2.65 mg/l	Daphnia	48 hours
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2-one			
geraniol	Acute EC50 13.1 mg/l	Algae	72 hours
	Acute EC50 7.75 mg/l	Daphnia	48 hours
	Acute LC50 22 mg/l	Fish	96 hours
Oxacyclohexadecen-2-one	Acute EC50 >0.96 mg/l	Daphnia	48 hours
	Acute LC50 >0.8 mg/l	Fish	96 hours
2-tert-butylcyclohexyl acetate	Acute EC50 17 mg/l	Aquatic plants	72 hours
	Acute EC50 17 mg/l	Daphnia	48 hours
	Acute LC50 1.7 mg/l	Fish	96 hours
4-methyl-3-decen-5-ol	Acute EC50 0.4 mg/l	Daphnia	48 hours
	Acute LC50 3 mg/l	Fish	96 hours
(Z)-3-hexenyl salicylate	Acute EC50 0.61 mg/l	Algae	72 hours
3-(4-tert-butylphenyl) propionaldehyde	Acute EC50 6.3 mg/l	Daphnia	48 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	OECD 301C Ready Biodegradability - Modified MITI Test (I)	11 % - Not readily - 28 days	-	-
3,7-dimethyloctan-3-ol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	64 % - Readily - 28 days	-	-
2,6-dimethyloct-7-en-2-ol	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	72 % - Readily - 28 days	-	-
benzyl acetate	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	92 % - Readily - 28 days	-	-
2-phenylethanol	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	79 % - Readily - 28 days	-	-
2-(4-tert-butylbenzyl) propionaldehyde	OECD 301F Ready Biodegradability -	84 % - Readily - 28 days	-	Activated sludge

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citronellol	Manometric Respirometry Test OECD 301F Ready Biodegradability - Manometric Respirometry Test	90 % - Readily - 28 days	-	-
3-methyl-4-(2,6,6-trimethyl- 2-cyclohexen-1-yl)-3-buten- 2-one	-	77 % - Readily - 28 days	-	-
geraniol	OECD 301A Ready Biodegradability - DOC Die-Away Test	100 % - Readily - 28 days	-	-
pentadecan-15-olide	OECD 301F Ready Biodegradability - Manometric Respirometry Test	90 % - Readily - 28 days	-	-
Oxacyclohexadecen-2-one	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97 % - Readily - 28 days	-	-
2-tert-butylcyclohexyl acetate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	43 % - Not readily - 28 days	-	-
4-methyl-3-decen-5-ol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	73 % - Readily - 28 days	-	-
(Z)-3-hexenyl salicylate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	89 % - Readily - 28 days	-	-
3-(4-tert-butylphenyl) propionaldehyde	OECD 301F Ready Biodegradability - Manometric Respirometry Test	65 % - Readily - 28 days	-	-

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Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	-	-	Not readily
3,7-dimethyloctan-3-ol	-	-	Readily
2,6-dimethyloct-7-en-2-ol	-	-	Readily
benzyl acetate	-	-	Readily
2-phenylethanol	-	-	Readily
2-(4-tert-butylbenzyl) propionaldehyde	-	-	Readily
citronellol	-	-	Readily
3-methyl-4-(2,6,6-trimethyl- 2-cyclohexen-1-yl)-3-buten- 2-one	-	-	Readily
geraniol	-	-	Readily
pentadecan-15-olide	-	-	Readily
Oxacyclohexadecen-2-one	-	-	Readily
2-tert-butylcyclohexyl acetate	-	-	Not readily
4-methyl-3-decen-5-ol	-	-	Readily
(Z)-3-hexenyl salicylate	-	-	Readily
3-(4-tert-butylphenyl) propionaldehyde	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl- 2-naphthyl)ethan-1-one	5.65	-	high
3,7-dimethyloctan-3-ol	3.3	99.87	low
2,6-dimethyloct-7-en-2-ol	3.25	64.8	low
benzyl acetate	1.49	8	low
2-phenylethanol	1.36	-	low
2-(4-tert-butylbenzyl) propionaldehyde	4.2	349.8	low
citronellol	3.41	82.59	low
geraniol	2.6	-	low
pentadecan-15-olide	5.79	3071	high
Oxacyclohexadecen-2-one	5.45	-	high
4-methyl-3-decen-5-ol	3.9	-	low

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(Z)-3-hexenyl salicylate	4.8	-	high
3-(4-tert-butylphenyl) propionaldehyde	3.2	-	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

Waste code	Waste designation	
16 03 05*	organic wastes containing dangerous substances	

Packaging

Methods of disposal

: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6, 7,8-octahydro-2,3,8, 8-tetramethyl-2-naphthyl)ethan- 1-one, 2-(4-tert-butylbenzyl) propionaldehyde)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6, 7,8-octahydro-2,3,8, 8-tetramethyl-2-naphthyl)ethan- 1-one, 2-(4-tert-butylbenzyl) propionaldehyde)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one, 2-(4-tert-butylbenzyl)propionaldehyde)

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SECTION 14: Transport information

14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Marine pollutant	Yes.
Additional information	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4. 1.1.8. Tunnel code (E)	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4. 1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4. 1, 5.0.2.6.1.1 and 5.0.2.8.

14.6 Special precautions for

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
2-(4-tert-butylbenzyl)	-	-	-	Repr. 2, H361f
propionaldehyde				(Fertility)
3-(4-tert-butylphenyl)	-	-	-	Repr. 2, H361f
propionaldehyde				(Fertility)

Registration status

All components are listed : Philippines inventory (PICCS)

Taiwan inventory (CSNN)

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SECTION 15: Regulatory information

United States inventory (TSCA 8b)

Europe inventory (EINECS/ELINCS/

NLP)

Canada inventory (DSL/NDSL)

At least one component is not listed in DSL but all such components are

listed in NDSL.

15.2 Chemical Safety Assessment

 This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 2, H361f (Fertility)	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements

: H302 Harmful if swallowed. H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H361f Suspected of damaging fertility.

(Fertility)

H373 May cause damage to organs through prolonged or repeated exposure if

(oral) swallowed.

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.

Full text of classifications [CLP/GHS]

Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
Aquatic Acute 1, H400 AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1, H410 AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Chronic 2, H411 AQUATIC HAZARD (LONG-TERM) - Category 2
Aquatic Chronic 3, H412 AQUATIC HAZARD (LONG-TERM) - Category 3

Eve Dam 1, H318 SEPICIES EVE DAMAGE (EVE IRRITATION) Ca

Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Repr. 2, H361f (Fertility)
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 1
Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1
SKIN SENSITIZATION - Category 1B

STOT RE 2, H373 (oral) SPECIFIC TARGET ORGAN TOXICITY (REPEATED

EXPOSURE) (oral) - Category 2

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SECTION 16: Other information

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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