

According to Regulation (EC) No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and (EC) No. 1907/2006 (REACH)

Initial preparation date: 06.30.2016

Revision date: 09.16.2020

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

1.1 Product identifier Product Name: Rim Ease Product code: 720, 720-5G, 720-55G Additional information: Rev 4

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses: Tire lubricant Uses advised against: Not determined or not applicable. Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer: North America Tech International 200 East Coshocton Street Johnstown, OH 43031 1-740-967-9015 www.tech-international.com Supplier: European Union Tech International Europe Koeybleuken 16 2300 Turnhout, Belgium 00 32 1442 3103 techeurope@trc4r.com

1.4 Emergency telephone number:

European Union CHEMTREC

CHEMTREC Brussels +(32) - 28083237

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No. 1272/2008 (CLP): The substance is not classified as

hazardous according to the Globally Harmonized System (GHS).

- Hazard-determining components of labeling: None
- 2.2 Label elements Hazard pictograms: None Signal word: None Hazard statements: None Precautionary statements: None
- 2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

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Mixture:			
Identification	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 102-71-6 EC number: 203-049-8	Triethanolamine	Not classified	<5
CAS number: 57-55-6 EC number: 200-338-0	Propylene glycol	Not classified	<5
CAS number: 25322-68-3 EC number: 500-038-2	Polyethylene glycol	Not classified	<5
CAS number: 111-42-2 EC number: 203-868-0	Diethanolamine	Acute Tox. 4; H302 Stot RE 2; H373 Eye Dam. 1; H318 Skin Irrit. 2 ; H315	<1

Additional information: None Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance

Following inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention

Following skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

Following eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

Following ingestion:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

No significant acute effects

Delayed symptoms and effects:

No significant delayed effects.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

Not determined or not available.

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Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Personal protection equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist. vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

6.2 **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

6.4 Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

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7.3 Specific end use(s):

Refer to Section 1 (Recommended Use).

SECTION 8: Exposure controls/personal protection







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8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Slovakia	Polyethylene glycol	25322-68-3	8-hour TWA (NPEL): 1000 mg/m ³
Czech Republic	Triethanolamine	102-71-6	8-hour TWA: 5 mg/m ³
	Triethanolamine	102-71-6	Ceiling limit (NPK-P): 10 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA: 5 mg/m ³
	Diethanolamine	111-42-2	Ceiling limit (NPK-P): 10 mg/m ³
Croatia	Propylene glycol	57-55-6	Maximum (8 hr) allowable concentration: 150 ppm (474 mg/m ³) [Total vapor and particulates]
	Propylene glycol	57-55-6	Maximum (8 hr) allowable concentration: 150 ppm (10 mg/m³) [Particulates]
	Diethanolamine	111-42-2	Maximum (8 hr) allowable concentration: 3 ppm (15 mg/m³)
Slovenia	Polyethylene glycol	25322-68-3	8-hour TWA: 1000 mg/m³ (inhalable fraction)
	Polyethylene glycol	25322-68-3	STEL: 4000 mg/m³ (inhalable fraction)
	Triethanolamine	102-71-6	8-hour TWA: 5 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA: 15 mg/m ³
Denmark	Polyethylene glycol	25322-68-3	TWA: 1000 mg/m ³
	Triethanolamine	102-71-6	TWA: 0.5 ppm (3.1 mg/m ³)
	Diethanolamine	111-42-2	TWA: 0.46 ppm (2 mg/m ³)
Estonia	Triethanolamine	102-71-6	8-hour TWA: 5 mg/m ³
	Triethanolamine	102-71-6	STEL: 10 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA: 3 ppm (15 mg/m ³)
	Diethanolamine	111-42-2	STEL: 6 ppm (30 mg/m ³)
Latvia	Propylene glycol	57-55-6	8-hour TWA: 7 mg/m ³
Lithuania	Propylene glycol	57-55-6	8-hour TWA: 7 mg/m ³
	Triethanolamine	102-71-6	8-hour TWA: 5 mg/m ³
	Triethanolamine	102-71-6	15-minute STEL: 10 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA: 15 mg/m ³ (3 ppm)
	Diethanolamine	111-42-2	15-minute STEL: 30 mg/m ³ (6 ppm)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Germany	Polyethylene glycol	25322-68-3	AGW Short term (15 min) exposure limit: 8000 mg/m ³ (inhalable fraction)
	Polyethylene glycol	25322-68-3	AGW limit value: 1000 mg/m ³ (inhalable fraction)
	Triethanolamine	102-71-6	TRGS 900 Limit value: 1 mg/m ³
	Diethanolamine	111-42-2	MAK: TWA 1.0 mg/m ³
	Triethanolamine	102-71-6	TRGS 900 Limit Value: 1 mg/m ³
Ireland	Propylene glycol	57-55-6	8-hour OEL (TWA): 150 ppm (470 mg/m ³) [Total (vapor and particulates)]
	Propylene glycol	57-55-6	8-hour OEL (TWA): 10 mg/m³ (Particulates)
	Triethanolamine	102-71-6	8-hour OEL (TWA): 5 mg/m ³
	Diethanolamine	111-42-2	8-hour OEL (TWA): 0.2 ppm (1 mg/m ³)
Austria	Polyethylene glycol	25322-68-3	MAK STEL: 4000 mg/m ³
	Polyethylene glycol	25322-68-3	TWA: 1000 mg/m ³
	Diethanolamine	111-42-2	TWA: 2 mg/m ³
	Diethanolamine	111-42-2	STEL: 4 mg/m ³
	Triethanolamine	102-71-6	MAK STEL: 10 mg/m ³ (1.6 ppm)
	Triethanolamine	102-71-6	MAK TWA: 5 mg/m ³ (0.8 ppm)
United Kingdom	Propylene glycol	57-55-6	TWA: 150 ppm (474 mg/m³) [Total (vapor and particulates)]
	Propylene glycol	57-55-6	TWA: 10 mg/m ³ (Particulates)
Belgium	Triethanolamine	102-71-6	8-hour TWA: 5 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA: 0.46 ppm (2 mg/m ³)
	Diethanolamine	111-42-2	TWA: 1 mg/m ³ (0.2 ppm)
Finland	Triethanolamine	102-71-6	8-hour limit: 5 mg/m ³
	Diethanolamine	111-42-2	8-hour Limit: 0.46 ppm (2 mg/m ³)
Poland	Propylene glycol	57-55-6	TWA: 100 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA (NDS): 9 mg/m ³
Italy	Triethanolamine	102-71-6	8-hour TWA: 5 mg/m ³
	Diethanolamine	111-42-2	8-hour TWA: 1 mg/m ³ (inhalable fraction and vapor)
Portugal	Triethanolamine	102-71-6	8-hour exposure limit: 5 mg/m ³
	Diethanolamine	111-42-2	8-Hour exposure limit: 1 mg/m ³
	Diethanolamine	111-42-2	TWA: 1 mg/m ³
Spain	Triethanolamine	102-71-6	8-hour daily exposure limit (VLA_ED): 5 mg/m ³
	Diethanolamine	111-42-2	8-hour daily exposure limit (VLA- ED): 0.46 ppm (2 mg/m³)
Sweden	Triethanolamine	102-71-6	Level Limit Value (NGV): 0.8 ppm (5 mg/m ³)
	Triethanolamine	102-71-6	Short Term Limit (KTV): 1.6 ppm (10 mg/m ³)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Diethanolamine	111-42-2	Level Limit Value (NGV): 3 ppm (15 mg/m ³)
	Diethanolamine	111-42-2	Short Term Limit (KTV): 6 ppm (30 mg/m ³)
France	Diethanolamine	111-42-2	Time weighted average (VME): 3 ppm (15 mg/m ³)
Greece	Diethanolamine	111-42-2	8-hour TWA: 3 ppm (15 mg/m ³)
Bulgaria	Diethanolamine	111-42-2	TWA: 10 mg/m ³

Biological limit values:

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

Derived No Effect Level (DNEL):

Not determined or not applicable.

Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls Biological monitoring may also be appropriate for some substances

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

For continuous contact we recommend nitrile gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Use a European Standard EN149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the European Standard EN149.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Blue Viscous Liquid
Odor	Slight Surfactant
Odor threshold	Not determined or not available.
рН	Not determined or not available.
Melting point/freezing point	0°C (32°F)
Initial boiling point/range	100°C (212°F)
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	1.0
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	120 срѕ
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Product data: No data available.

Substance data:

Name	Route	Result
Propylene glycol	e glycol dermal LD50 Rabbit: >2000 mg/kg	
	oral	LD50 Rat: 21,000 - 33,700 mg/kg
Diethanolamine	oral	LD50 Rat: 710 mg/kg
	dermal	LD50 Rabbit: 8100 - 12,200 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Diethanolamine	Causes skin irritation.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Diethanolamine	Causes serious eye damage.

Respiratory or skin sensitization

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data:

Name	Species	Result
Diethanolamine	Not applicable	There is inadequate evidence in humans for the carcinogenicity of this substance. Cancer in experimental animals: There is sufficient evidence in experimental animals for the carcinogenicity of this substance.

International Agency for Research on Cancer (IARC):

Name	Classification
Triethanolamine	Group 3 - Not classifiable as to its carcinogenicity to humans
Diethanolamine	Group 2B

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	National Toxicology Progr Germ cell mutagenicity	am (NTP): None of the ingredients are listed.
	Assessment: Based on avai	lable data, the classification criteria are not met.
	Product data: No data avail	able.
	Substance data: No data av	vailable.
	Reproductive Toxicity	
	Assessment: Based on avai	lable data, the classification criteria are not met.
	Product data:	
	No data available.	
	Substance data: No data av	vailable.
	Specific target organ toxicity	y (single exposure)
	Assessment: based on avai	hable data, the classification criteria are not met.
	No data available	
	Substance data: No data av	vailable.
	Specific target organ toxicity	(repeated exposure)
	Assessment: Based on avai	ilable data, the classification criteria are not met.
	Product data:	
	No data available.	
	Substance data:	
	Name	Result
	Diethanolamine	May cause damage to liver, blood and kidney through prolonged or repeated oral exposure.
SEC ⁻	Aspiration toxicity Assessment: Based on avai Product data: No data available. Substance data: No data available. Substance data: No data available. Symptoms related to the phy Refer to Section 4 of this SD Other information: No data available. TION 12: Ecological informati Toxicity	ilable data, the classification criteria are not met. vailable. of exposure: ysical, chemical and toxicological characteristics: iS.
	Δcute (short-term) toxicity	
	Assessment: Based on avai	lable data, the classification criteria are not met.
	Product data: No data avail	able.
	Substance data:	
	Name	Result
	Propylene glycol	EC50 Daphnia magna: 43,500 mg/L (48 hr)
		LC50 Oncorhynchus mykiss: 40,613 mg/L (96 hr)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met. Product data: No data available.

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Substance data:

Name	Result
Propylene glycol	EC50 Selenastrum capricornutum: 18,100 mg/L (14 d)

12.2 Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Diethanolamine	Readily biodegradable in water.
Polyethylene glycol	Readily biodegradable (74.85% degradation after 28 days).
Propylene glycol	Readily biodegradable in water.
Triethanolamine	Readily biodegradable in water.
Triethanolamine	Readily biodegradable.
Diethanolamine	Readily biodegradable.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Polyethylene glycol	BCF: 3.162 L/Kg ww
Propylene glycol	BCF: 0.09; Low potential for bioaccumulation.
Triethanolamine	Significant accumulation in organisms is not to be expected.
Diethanolamine	Significant accumulation in organisms is not to be expected.

12.4 Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Polyethylene glycol	Koc at 20°C: 1.857
Triethanolamine	The chemical has been demonstrated to decompose rapidly in soil.

12.5 Results of PBT and vPvB assessment

PBT assessment: This product does not contain any substances that are assessed to be a PBT. **vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Relevant information:

Consult with EU Directive 2008/98/EC for the classifications of hazardous waste prior to disposal. Furthermore, consult with your regional, national or European waste requirements or guidelines, if applicable, to ensure compliance. Final decisions on the appropriate waste management method, in line with regional, national and European legislation, remains the responsibility of the waste treatment operator

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SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code		
Bulk Name	None	
Ship type	None	
Pollution category	None	

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SECTION 15: Regulatory information

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

European regulations

Inventory listing (EINECS):

57-55-6	Propylene glycol	Listed
25322-68-3	Polyethylene glycol	Not Listed
102-71-6	Triethanolamine	Listed
111-42-2	Diethanolamine	Listed

REACH SVHC candidate list: None of the ingredients are listed.

REACH SVHC Authorizations: None of the ingredients are listed.

REACH Restriction: None of the ingredients are listed.

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Propylene glycol	57-55-6	1
Polyethylene glycol	25322-68-3	1
Ethanol, 2,2',2"-nitrilotris-	102-71-6	1
Diethanolamine	111-42-2	1

Other regulations

Germany TA Luft: None of the ingredients are listed.

Germany MAK: Polyethylene glycol: 8-hour TWA: 200 mg/m³, Triethanolaminel: 8-hour TWA: 1 mg/m³, Diethanolamine: 8-hour TWA: 1.0 mg/m³

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Indication of changes:

September 16, 2020: Reviewed/Updated to comply with the 12th and 14th Adaptation to Technical Progress (ATP) of the CLP Regulation. Composition update, resulting in updated occupational exposure limits

Abbreviations and Acronyms: None

Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)		Method Used
Summary of classification(s) in section 3::		
Acute Tox. 4; H302	Acute toxicity (oral), category 4	
Stot RE 2; H373	Specific target organ toxicity - repeated expose	ure, category 2
Eye Dam. 1; H318	Serious eye damage, category 1	
Skin Irrit. 2 ; H315	Skin irritation, category 2	

Summary of hazard statements in section 3:

H302	Harmful if swallowed
H373	May cause damage to organs through prolonged or repeated exposure
H318	Causes serious eye damage
H315	Causes skin irritation

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End of Safety Data Sheet