Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 5/27/2016 Version: 1.0



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

1.1. Product identifier

Product form : Mixture

Product name : Metal Polish 1

Product code : 10155

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Agent of cleaning

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Lucas Oil Products, Inc 302 North Sheridan Street 92880-2067 Corona, California - USA T (951) 270-0154 - F (951) 270-1902 GHewgill@lucasoil.com - www.LucasOil.com

1.4. Emergency telephone number

Emergency number : (951) 493-1149 (951) 847-5949 7:00A.M. to 5:00P.M. Monday thru Friday

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 2

Specific target organ toxicity — Single exposure, Category 3, Narcosis

Aspiration hazard, Category 1

Hazardous to the aquatic environment — Chronic Hazard, Category 2

H411

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Signal word (CLP)
Hazardous ingredients

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

Hazard pictograms (CLP)







GHS07

· Danger

: Danger

: Distillates (petroleum), hydrotreated light; Solvent naphtha (petroleum), heavy aliph.

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H411 - Toxic to aquatic life with long lasting effects

11411 - Toxic to aquatic file with long lasting effects

Precautionary statements (CLP) : P261 - Avoid breathing mist, spray, vapours

P264 - Wash hands, forearms and face thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear eye protection, protective gloves, protective clothing P301+P310 - If swallowed: Immediately call a poison center or doctor

P302+P352 - IF ON SKIN: Wash with plenty of water

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing P312 - Call a poison center or doctor if you feel unwell P321 - Specific treatment (see First aid measures on this label)

P331 - Do NOT induce vomiting

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse

P391 - Collect spillage

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

2.3. Other hazards

PBT: not yet assessed vPvB: not yet assessed

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated light	(CAS No) 64742-47-8 (EC no) 265-149-8 (EC index no) 649-422-00-2	20 - 40	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Solvent naphtha (petroleum), heavy aliph.	(CAS No) 64742-96-7 (EC no) 265-200-4 (EC index no) 649-406-00-5	20 - 40	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have

product container or label at hand.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

advice/attention.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Risk of aspiration pneumonia. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation : May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways. Risk of aspiration pneumonia.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

Explosion hazard : Vapours are heavier than air and spread above ground. May form flammable/explosive vapour-

air mixture.

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5.3. Advice for firefighters

Firefighting instructions : Do not allow run-off from fire fighting to enter drains or water courses. Cool adjacent structures

and containers with water spray to protect and prevent ignition.

Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing. EN469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all eye and skin contact and do not breathe vapour and mist. Eliminate every possible

source of ignition. Ensure adequate ventilation. Use personal protective equipment as required.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.

Emergency procedures : Ventilate area. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

streams.

Methods for cleaning up : Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like

cermiculite, sand, or earth to soak up the product and place into a container for later disposal.

Other information : Spilled material may present a slipping hazard.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Use only outdoors or in a

well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

Hygiene measures : Remove contaminated clothing. Wash hands and other exposed areas with mild soap and

water before eating, drinking or smoking and when leaving work. Wash contaminated clothing

before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

Incompatible products : Strong oxidizers.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

Cleaner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), hydrotreated light (64742-47-8)

Germany TRGS 900 Occupational exposure limit value (mg/m³) 600 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Use only in well ventilated areas. Avoid creating mist or spray.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. EN374

Eye protection:

Chemical goggles or safety glasses. Eyewash bottle with clean water

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Skin and body protection:

Wear suitable protective clothing. Impervious clothing

Respiratory protection:

None under normal use. Where excessive vapour may result, wear approved mask. Organic vapor cartridge EN 12083

Environmental exposure controls : Prevent contaminated water run-off. Prevent leakage or spillage.

Other information : Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear.
Colour : Colourless.
Odour : Hydrocarbons.
Odour threshold : No data available
pH : No data available

Relative evaporation rate (butyl acetate=1) : < 0.1

Melting point : -45 °C

Freezing point : -48.33 °C

Boiling point : 200 - 300 °C

Flash point : 89 (80 - 96) °C

Auto-ignition temperature : 215.5 °C

Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 0.02 - 0.06 kPa @ 20 °C

Relative vapour density at 20 °C : 4.5

Relative density : 0.82

: 0.821 g/cm3 @ 20 °C Density Solubility : insoluble in water. Log Pow : No data available Viscosity, kinematic : 0.1 mm²/s @ 40 °C Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available **Explosive limits** : 0.5 - 0.6 vol % 4.9 - 5.5 vol %

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat. Sparks. Open flame.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

May release flammable gases. Hydrocarbon.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Solvent naphtha (petroleum), heavy aliph. (64742-96-7)

Solvent naphtina (petroleum), neavy anph. (04742-30-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.28 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard : May be fatal if swallowed and enters airways.

Metal Polish 1	
Viscosity, kinematic	0.1 mm ² /s @ 40 °C

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

Distillates (petroleum), hydrotreated light (64742-47-8)		
LC50 fish 1	25 mg/l 96 h Oncorhynchus mykiss	
EC50 Daphnia 1	1.4 mg/l 48 h	
Solvent nanhtha (netroleum), heavy alinh (64742-96-7)		

Solvent naphtha (petroleum), heavy aliph. (64742-96-7)	
LC50 fish 1	2 mg/l 96 h
EC50 Daphnia 1	1.4 mg/l 48 h

12.2. Persistence and degradability

Metal Polish 1	
Persistence and degradability May cause long-term adverse effects in the environment.	
Solvent naphtha (petroleum), heavy aliph. (64742-96-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	61 % 28 d

12.3. Bioaccumulative potential

Metal Polish 1	
Bioaccumulative potential	Not established.
Solvent naphtha (petroleum), heavy aliph. (64742-96-7)	
Log Pow	3.3
Bioaccumulative potential	May bioaccumulate.

12.4. Mobility in soil

Metal Polish 1	
Ecology - soil	No additional information available.
Solvent naphtha (petroleum), heavy aliph. (64742-96-7)	
Ecology - soil	Product adsorbs onto the soil.

12.5. Results of PBT and vPvB assessment

Metal	Polish 1
PBT: r	not yet assessed
vPvB:	not yet assessed

12.6. Other adverse effects

Additional information	: No additional information available	
ACCINONALINIONNAHON	. NO additional information available	

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations Do not pierce or burn, even after use. Dispose in a safe manner in accordance with

local/national regulations. Do not re-use empty containers.

Ecology - waste materials Hazardous waste due to toxicity. Emptied container retains vapor and product residue. Avoid

release to the environment.

European List of Waste (LoW) code

HP Code

Waste is not considered hazardous waste

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or

more sectors of the environment

HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin

irritation or damage to the eye

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. **UN** number

UN-No. (ADR) : 3082 UN-No. (IMDG) : 3082 UN-No. (IATA) 3082 UN-No. (ADN) 3082 UN-No. (RID) : 3082

UN proper shipping name

Transport document description (ADR)

Transport document description (IMDG)

Proper Shipping Name (ADR) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum),

hydrotreated light; Solvent naphtha (petroleum), heavy aliph.)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), Proper Shipping Name (IMDG)

hydrotreated light; Solvent naphtha (petroleum), heavy aliph.)

Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light; Proper Shipping Name (IATA)

Solvent naphtha (petroleum), heavy aliph.)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), Proper Shipping Name (ADN) hydrotreated light; Solvent naphtha (petroleum), heavy aliph.)

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), Proper Shipping Name (RID) hydrotreated light; Solvent naphtha (petroleum), heavy aliph.)

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates

(petroleum), hydrotreated light; Solvent naphtha (petroleum), heavy aliph.), 9, III, (E)

: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates

(petroleum), hydrotreated light; Solvent naphtha (petroleum), heavy aliph.), 9, III, MARINE

POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum),

hydrotreated light; Solvent naphtha (petroleum), heavy aliph.), 9, III, ENVIRONMENTALLY

HAZARDOUS

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates Transport document description (ADN)

(petroleum), hydrotreated light; Solvent naphtha (petroleum), heavy aliph.), 9, III,

ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates

(petroleum), hydrotreated light; Solvent naphtha (petroleum), heavy aliph.), 9, III,

ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9 Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9 Danger labels (IMDG) : 9

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IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9



ADN

Transport hazard class(es) (ADN) : 9
Danger labels (ADN) : 9



RID

Transport hazard class(es) (RID) : 9
Danger labels (RID) : 9



14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 601, 375

Limited quantities (ADR) : 5I Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions : T4

(ADR)

Portable tank and bulk container special : TP1, TP29

provisions (ADR)

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Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages : V12

(ADR)

Special provisions for carriage - Loading,

unloading and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates

90 3082

: CV13

Tunnel restriction code (ADR) : E EAC code : •3Z

- Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29

Tank special provisions (IMDG) : TP2, T
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197

ERG code (IATA) : 9L

- Inland waterway transport

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions : T4

(RID)

Portable tank and bulk container special

provisions (RID)

: TP1, TP29

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Tank codes for RID tanks (RID) : LGBV Transport category (RID) : 3 Special provisions for carriage - Packages : W12

Special provisions for carriage - Loading,

unloading and handling (RID)

: CW13, CW31

Colis express (express parcels) (RID)

: CE8

Hazard identification number (RID) : 90

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. **EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0%

National regulations 15.1.2.

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS,

Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

: Distillates (petroleum), hydrotreated light, Solvent naphtha (petroleum), heavy aliph. are listed : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Vruchtbaarheid

: None of the components are listed

NIET-limitatieve liist van voor de voortplanting

giftige stoffen - Ontwikkeling

Denmark Class for fire hazard : Class III-1

Store unit Classification remarks

: Flammable according to the Danish Ministry of Justice; Emergency management guidelines for

: Distillates (petroleum), hydrotreated light, Solvent naphtha (petroleum), heavy aliph. are listed

the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

: 50 liter

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

	,
	ATE: Acute Toxicity Estimate
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	CLP: Classification, Labelling, Packaging.
	CAS (Chemical Abstracts Service) number
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	PBT: Persistent, Bioaccumulative, Toxic
	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average
vPvB	Very Persistent and Very Bioaccumulative

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Data sources

: Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/quest/information-on-chemicals/cl-inventory-database.

National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.

Manufacturer Information.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Asp. Tox. 1	Aspiration hazard, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis		
H226	Flammable liquid and vapour		
H304	May be fatal if swallowed and enters airways		
H315	Causes skin irritation		
H319	Causes serious eye irritation		
H336	May cause drowsiness or dizziness		
H411	Toxic to aquatic life with long lasting effects		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method
Asp. Tox. 1	H304	Calculation method
Aquatic Chronic 2	H411	Calculation method

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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