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## PERFUMED STAINLESS STEEL CLEANER & POLISHER - 092997-EN

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: PERFUMED STAINLESS STEEL CLEANER & POLISHER

Product code: 092997-EN.

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

To clean and polish stainless steel. Only use the product conform the instructions on the aerosol.

## 1.3. Details of the supplier of the safety data sheet

Registered company name: Rustins Ltd

Address: Waterloo Road, London NW2 7TX United Kingdom Telephone: +44 (0)20 8450 4666 Fax: +44 (0)20 8452 2008

rustins@rustins.co.uk http://www.rustins.ltd/mate

## 1.4. Emergency telephone number: +44 (0) 20 8450 4666.

Association/Organisation: Rustins Ltd

Hours of operation: Monday - Thursday: 9:00-17:00; Friday: 9:00-16:30

## **SECTION 2: HAZARDS IDENTIFICATION**

### 2.1. Classification of the substance or mixture

## In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable aerosol, Category 1 (Aerosol 1, H222 - H229).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

# In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Extremely flammable (F+, R 12).

Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

## 2.2. Label elements

Detergent mixture (see section 15).

Mixture for aerosol application.

## In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:





GHS07

GHS02

Signal Word: DANGER

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

Harmful to aquatic life with long lasting effects.

Precautionary statements - General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements - Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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Precautionary statements - Storage:

P410 + P412Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Precautionary statements - Disposal:

P501 Dispose of container to an approved waste disposal plant.

#### 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC

Intentional misuse of the preparation by concentrating and inhaling the vapours can be harmful or fatal.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.2. Mixtures

# **Composition:**

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 106-97-8	GHS02	F+	С	10 <= x % < 25
EC: 203-448-7	Dgr	F+;R12	[1]	
REACH: 01-2119474691-32	Flam. Gas 1, H220			
	Press. Gas, H280			
BUTANE (< 0,1 % 1,3-BUTADIENE)				
EC: 921-728-3	GHS07, GHS09, GHS08,	Xn,N,F		10 <= x % < 25
REACH: 01-2119471305-42	GHS02	Xn;R65		
	Dgr	Xi;R38		
HYDROCARBONS, C7-C9, ISOALKANES	Flam. Liq. 2, H225	N;R51/53		
	Asp. Tox. 1, H304	F;R11		
	Skin Irrit. 2, H315	R67		
	STOT SE 3, H336			
	Aquatic Chronic 2, H411			

### **Information on ingredients:**

[1] Substance for which maximum workplace exposure limits are available.

### **SECTION 4: FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

### 4.1. Description of first aid measures

## In the event of exposure by inhalation:

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

## In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

### In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

## In the event of swallowing:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

See section 11.

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

If you feel unwell, seek medical advice (show the label if possible). If symptoms persist, always call a doctor.

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### **SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

### 5.1. Extinguishing media

If the aerosols are exposed to a fire: keep containers cool by spraying with water from a protected position.

#### Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

#### Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed. 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.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

## 5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

If possible, stop the product stream. Spray from a protected position till the containers are cool. If possible, take the aerosols outside. Keep public on a distance.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

### For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

## 6.3. Methods and material for containment and cleaning up

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

# 6.4. Reference to other sections

No data available.

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### **SECTION 7: HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

### Fire prevention:

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

### Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Packages which have been opened must be reclosed carefully and stored in an upright position.

## Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

## 7.2. Conditions for safe storage, including any incompatibilities

No data available.

### Storage

Keep out of reach of children.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Storage in a dry, frost-free and well ventilated place.

# **Packaging**

Always keep in packaging made of an identical material to the original.

# 7.3. Specific end use(s)

No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

## Occupational exposure limits:

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

CAS TWA: STEL: Ceiling: Definition: Criteria: 106-97-8 600 ppm 750 ppm

Hydrocarbons, C7-C9, isoalkanes: RCP-TWA-mg/m<sup>3</sup>: 1400; RCP-TWA-ppm: 300

- Ireland (Code of practice for the safety, Health and Welfare at Work, 2010):

CAS TWA: STEL: Ceiling: Definition: Criteria: 106-97-8 600 ppm 750 ppm

## Derived no effect level (DNEL) or derived minimum effect level (DMEL):

HYDROCARBONS, C7-C9, ISOALKANES

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Final use: Workers. Exposure method: Dermal contact.

Potential health effects: Long term systemic effects. 733 mg/kg body weight/day DNEL:

Exposure method: Inhalation.

Potential health effects: Long term systemic effects. DNEL: 2035 mg of substance/m3

Final use: Consumers.

Exposure method: Ingestion. Potential health effects: Long term systemic effects.

DNEL: 699 mg/kg body weight/day

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects. DNEL: 699 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects. DNEL: 608 mg of substance/m3

### 8.2. Exposure controls

## Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):





Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

## - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Do not spray in the direction of the eyes.

### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question; other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)

Recommended properties:

- Impervious gloves in accordance with standard EN374

Not necessary at efficient use. Wash your hands after contact with skin.

### - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing:

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin

Work clothing worn by personnel shall be laundered regularly.

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After contact with the product, all parts of the body that have been soiled must be washed.

Not necessary at efficient use. Wash skin that has been in contact with the product, with water and soap.

# - Respiratory protection

Do not breathe spray. Use only in well-ventilated areas.

### Exposure controls linked to environmental protection

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

# **General information:**

Physical state: Fluid liquid.

Spray.

Color: White Odour: Perfume

Important health, safety and environmental information

7.30 . pH:

Neutral.

Not relevant. Vapour pressure (50°C): 0.720 Density: Water solubility: Soluble.

Chemical combustion heat: Not specified. Inflammation time: Not specified. Deflagration density: Not specified. Inflammation distance: Not specified. Flame height: Not specified. Flame duration: Not specified.

< 0 °C Flash point:

Extremely flammable Flammability:

9.2. Other information

373.28 VOC(g/l): Pressure at 20°C:  $\pm$  5.0 bar Pressure at 50°C: < 10 bar

Water content: Water-based formulation

# **SECTION 10: STABILITY AND REACTIVITY**

# 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

## 10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

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

### 10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- heat
- flames and hot surfaces

Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition. Storage in a dry, frost-free and well ventilated place.

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## 10.5. Incompatible materials

No materials known by which a dangerous reaction can appear.

## 10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2)

The product is stable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### 11.1. Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Splashes in the eyes may cause irritation and reversible damage

### 11.1.1. Substances

## Acute toxicity:

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Inhalation route: LC50 > 10 mg/l

HYDROCARBONS, C7-C9, ISOALKANES

LD50 > 5000 mg/kgOral route:

Species: Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route: LD50 > 2000 mg/kg

Species: Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route: LC50 > 21 mg/l

Species: Rat

OECD Guideline 403 (Acute Inhalation Toxicity)

### Skin corrosion/skin irritation:

Hydrocarbons, C7-C9, isoalkanes: Moderately irritating to skin in case of prolonged exposure.

## Serious damage to eyes/eye irritation:

Hydrocarbons, C7-C9, isoalkanes: May cause mild, short-lasting discomfort to eyes.

### Respiratory or skin sensitisation:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics: Not likely to be sensitizing.

### Germ cell mutagenicity:

Hydrocarbons, C7-C9, isoalkanes: Probably not mutagenic to germ cells.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

No mutagenic effect.

# Carcinogenicity:

Hydrocarbons, C7-C9, isoalkanes: Not likely to cause cancer. BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8) Carcinogenicity Test: Negative.

No carcinogenic effect.

## Reproductive toxicant:

Hydrocarbons, C7-C9, isoalkanes: Not likely to be toxic to reproduction.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

No toxic effect for reproduction

# Specific target organ systemic toxicity - single exposure :

Hydrocarbons, C7-C9, isoalkanes: May cause drowsiness or dizziness.

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## Specific target organ systemic toxicity - repeated exposure :

Hydrocarbons, C7-C9, isoalkanes: Not likely to cause organ damage.

**Aspiration hazard:** 

Hydrocarbons, C7-C9, isoalkanes: May be fatal if swallowed and enters airways.

### 11.1.2. Mixture

No toxicological data available for the mixture.

## **SECTION 12: ECOLOGICAL INFORMATION**

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

### 12.1. Toxicity

### 12.1.1. Substances

### HYDROCARBONS, C7-C9, ISOALKANES

Fish toxicity: LC50 = 18.4 mg/l

Species: Oncorhynchus mykiss Duration of exposure: 96 h

Crustacean toxicity: EC50 = 2.4 mg/l

> Species: Daphnia magna Duration of exposure: 48 h

NOEC = 0.17 mg/lSpecies: Daphnia magna Duration of exposure: 21 days

Algae toxicity: ECr50 = 29 mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

NOEC = 6.3 mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

### **12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

## 12.2. Persistence and degradability

Butane/Isobutane/Propane: Expected to be readily biodegradable.

Hydrocarbons, C7-C9, isoalkanes: Expected to be inherently biodegradable. Transformation due to hydrolysis and due to photolysis is not expected to be significant. Expected to degrade rapidly in air.

### 12.2.1. Substances

# HYDROCARBONS, C7-C9, ISOALKANES

Biodegradability: Not fast degrading.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Biodegradability: Fast degrading.

## 12.3. Bioaccumulative potential

Butane/Isobutane/Propane: Not expected to be dangerous for the aquatic environment.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics: Not determined.

### 12.4. Mobility in soil

Butane/Isobutane/Propane: If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

Hydrocarbons, C7-C9, isoalkanes: Highly volatile, will spread rapidly in air. It is not expected to extract to the sediment and the fraction fixed substances in the waste water.

### 12.5. Results of PBT and vPvB assessment

Hydrocarbons, C7-C9, isoalkanes: PBT/vPvB: No.

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### 12.6. Other adverse effects

No data available.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods

Do not pour into drains or waterways.

### Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

### Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

### **SECTION 14: TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

### 14.1. UN number

1950

## 14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

## 14.3. Transport hazard class(es)

- Classification:

2.1

ADR/RID Label: Limited Quantity: 2.1 is not applicable.

# 14.4. Packing group

.

## 14.5. Environmental hazards

### 14.6. Special precautions for user

T.U. Special	precaution	is ful user								
ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	2.1	See SP63	-	SP277	F-D,S-U	63 190 277 327	E0			
						344 959				
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	2.1	-	-	203	75 kg	203	150 kg	A145	E0	
								A167		
								A145		
								A167		
								A802		
	2.1	-	-	Y203	30 kg G	-	-	A145	E0	
								A167		
								A802		

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

# **SECTION 15: REGULATORY INFORMATION**

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

### - Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Directive 75/734/CEE modified by directive 2013/10/UE

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- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

#### - Container information:

No data available.

# - Particular provisions :

No data available.

## - Labelling for detergents (EC Regulation No. 648/2004,907/2006):

- 30 % and more : aliphatic hydrocarbons
- perfumes
- allergenic fragrances:

linalool

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following products or for the substances in these products:

Hydrocarbons, C7-C9, isoalkanes

### **SECTION 16: OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

### Title for H, EUH and R indications mentioned in section 3:

H220	Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

R 11 Highly flammable. R 12 Extremely flammable. R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed. R 67 Vapours may cause drowsiness and dizziness.

### Abbreviations:

DNEL: Derived No-Effect Level

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefahrdungsklasse (Water Hazard Class).

GHS02: Flame

GHS07: Exclamation mark