Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 3/16/2020 Revision date: 3/8/2024 Supersedes: 3/29/2023 Version: 1.3 SDS No: 12236-0011

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

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form Product name	: Mixture : Industriesprit
1.2. Relevant identified uses of the sub	bstance or mixture and uses advised against
1.2.1. Relevant identified uses	
Use of the substance/mixture	: Solvent
1.2.2. Uses advised against	
Restrictions on use	: For professional users only
1.3. Details of the supplier of the safety	y data sheet
Rey Chemie AG Pilatusstrasse 31 5630 Muri Switzerland T +41 56 664 11 28 info@reychemie.ch	
1.4. Emergency telephone number	
Emergency number	: NATIONAL: Tox Info Suisse: Tel. 145 (24 h)
SECTION 2: Hazards identification 2.1. Classification of the substance or	
Classification according to Regulation (EC) Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Full text of H- and EUH-statements: see sectio	H225 H319
Adverse physicochemical, human health ar	nd environmental effects
Highly flammable liquid and vapour. Causes se	erious eye irritation.
2.2. Label elements	
Labelling according to Regulation (EC) No.	1272/2008 [CLP]
Hazard pictograms (CLP)	
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation.
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Extra phrases	: Restricted to professional users.

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2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	75 - 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Butanone Substance with a Community workplace exposure limit	CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 01-2119457290-43	≥1-<3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	(50 ≤ C ≤ 100) Eye Irrit. 2, H319	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	: Adhere to personal protective measures when giving first aid. Take off immediately all contaminated clothing. Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.			
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a doctor. In case of loss of consciousness, place the victim in the recovery position.			
First-aid measures after skin contact	: Wash skin with plenty of water. Call a doctor.			
First-aid measures after eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist. 			
First-aid measures after ingestion	: Do not induce vomiting. Call a doctor. Drink plenty of water.			
4.2. Most important symptoms and effect	cts, both acute and delayed			
Symptoms/effects after eye contact	: Causes serious eye irritation.			
4.3. Indication of any immediate medical attention and special treatment needed				
Treat symptomatically.				

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	 Fire-extinguishing activities according to surrounding. Water spray. Dry powder. Foam. Carbon dioxide. high volume water jet.
5.2. Special hazards arising from the subs	tance or mixture
Explosion hazard Hazardous decomposition products in case of fire	 Vapours may form explosive mixture with air. Flash back over considerable distance. Toxic fumes may be released. Carbon oxides (CO, CO2).
5.3. Advice for firefighters	
Protection during firefighting Other information	 Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipm	ent and emergency procedures			
General measures :	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. No flames, no sparks. Eliminate all sources of ignition.			
6.1.1. For non-emergency personnel				
Emergency procedures :	: Ventilate spillage area. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Wear personal protective equipment. No flames, no sparks. Eliminate all sources of ignition.			
6.1.2. For emergency responders				
Protective equipment :	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Notify authorities if product enters sewers or public waters. Use water spray jet to minimise or disperse vapours.

6.3. Methods and material for cor For containment	: Collect spillage.
Methods for cleaning up	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Ensure adequate air ventilation. Wash away remainder with plenty of water. Clean contaminated surface thoroughly.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

Refer to protective measures listed in sections 7 and 8. For further information refer to section 13.

SECTION 7: Handling and storage	9
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	 Avoid contact with eyes, skin or mucous membrane. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Explosion free apparatus have to be used.
Hygiene measures	 Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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7.2. Conditions for safe storage, in	ncluding any incompatibilities
Storage conditions	: Keep container tightly closed in a dry, cool and well-ventilated place. Avoid sub-soil penetration. Keep out of frost. Keep away from heat and direct sunlight.
Incompatible products	: Acids and oxidizing agents.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Special rules on packaging	: Use containers only, specially aproved for this substance/product.
Switzerland	
Storage class (LK)	: LK 3 - Flammable liquids
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Ethanol (64-17-5)			
Switzerland - Occupational Exposure Limits			
Local name	Ethanol / Ethanol [Ethylalkohol]		
MAK (OEL TWA)	960 mg/m ³		
	500 ppm		
KZGW (OEL STEL)	1920 mg/m ³		
	1000 ppm		
Notation	SS _c / SS _c		
Remark	INRS, NIOSH		
Regulatory reference	www.suva.ch, 01.01.2024		
Butanone (78-93-3)			
Switzerland - Occupational Exposure Limits			
Local name	2-Butanone / 2-Butanon [Ethylmethylketon, Methylethylketon (MEK)]		
MAK (OEL TWA)	590 mg/m³		
	200 ppm		
KZGW (OEL STEL)	590 mg/m ³		
	200 ppm		
Notation	R, SS _c , B / H, SS _c , B		
Remark	INRS, NIOSH, OSHA		
Regulatory reference	www.suva.ch, 01.01.2024		
Switzerland - BAT			
Local name	2-Butanone / 2-Butanon		
BAT	2 mg/l (27.7 μmol/l; Paramètre biologique: 2-Butanone; Substrat d'examen: Urine; Moment du prélèvement: Fin de l'exposition, de la période de travail.) / (27.7 μmol/l; Biologischer Parameter: 2-Butanon (MEK); Untersuchungsmaterial: Urin; Probennahmezeitpunkt: Expositionsende, bzw. Schichtende.)		
Regulatory reference	Ordonnance 832.30 (OPA), article 50 al. 3, www.suva.ch/valeurs-limites / Verordnung 832.30 (VUV), Art. 50 Abs. 3, www.suva.ch/grenzwerte		

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection: Protective goggles (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Impermeable clothing. Long sleeved protective clothing. EN 368

Hand protection:

Chemically resistant protective gloves. Select the appropriate glove material adhering to the breakthrough time, permeation rate and the degradation. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Butyl rubber	6 (> 480 minutes)	0,5		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. EN 149

Respiratory protection				
Device	Filter type	Condition	Standard	
Breathing apparatus with filter	ABEK	Short term exposure		
Self contained breathing apparatus		Long term exposure		

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and ch	emical properties
Physical state	: Liquid
Colour	Colourless.
Odour	: alcoholic.
Odour threshold	: 93 ppm
	178 mg/m ³
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 78 °C (1013 hPa)
Flammability	: Not applicable
Explosive properties	: Product is not explosive. Flammable or explosive vapour/air mixtures may be formed.
Oxidising properties	: Highly flammable.
Lower explosive limit (LEL)	: 3.5 vol %
Upper explosive limit (UEL)	: 15 vol %
Flash point	: 13 ℃
Auto-ignition temperature	: 245 °C
Decomposition temperature	: ≥ 700 °C
рН	: 7 (20°C)
Viscosity, kinematic	: 1 mm²/s
Viscosity, dynamic	: 1 mPa·s (20°C)
Solubility	: completely miscible with: Water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 59 hPa (20°C)
Vapour pressure at 50°C	: Not available
Density	: 0.81 g/cm ³ (20°C)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other s	safety chara	cteristics
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VOC content	:	99.8 %
Ignition temperature	:	425°C
Solvent content	:	99,8%

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Danger of explosion on contact with : alkali metals. Silver. Ammonia. Nitric acid. Hazardous reaction : Fluorine. Chromium trioxide. Fluoride.

10.4. Conditions to avoid

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

10.5. Incompatible materials

alkali metals. reducing materials. Strong acids, strong oxidants. Peroxides.

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10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

SECTION 11: Toxicological information			
11.1. Information on hazard classes as defi	ned in Regulation (EC) No 1272/2008		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 		
Ethanol (64-17-5)			
LD50 oral	6200 mg/kg		
LD50 dermal	20000 mg/kg		
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7 (20°C)		
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7 (20°C)		
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)		
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)		
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)		
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)		
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)		
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)		
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)		

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity	
Hazardous to the aquatic environment, short-term : (acute)	Toxic to aquatic life with long lasting effects. Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
12.2. Persistence and degradability	
Industriesprit	
Persistence and degradability	Readily biodegradable
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	

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12.7. Other adverse effects

Additional information

: Do not flush into surface water or sewer system

SECTION 13: Disposal conside	erations
13.1. Waste treatment methods	
Waste treatment methods	: Disposal in accordance with local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Must not be disposed together with household garbage.
Additional information	: The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Switzerland	
Waste code (VeVA)	: 16 05 08 - [S] Discarded organic chemicals consisting of or containing dangerous substances

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber		1	
UN 1170	UN 1170	UN 1170	UN 1170	UN 1170
14.2. UN proper shippin	g name			
ETHANOL (ETHYL ALCOHOL)	ETHANOL (ETHYL ALCOHOL)	Ethanol	ETHANOL (ETHYL ALCOHOL)	ETHANOL (ETHYL ALCOHOL)
Transport document descr	iption		·	·
UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II, (D/E)	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II	UN 1170 Ethanol, 3, II	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, I
14.3. Transport hazard o	class(es)			
3	3	3	3	3
14.4. Packing group				
II	II	II	II	II
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatio	n available		·	·
14.6. Special precaution	s for user			
Dverland transport Classification code (ADR) Special provisions (ADR) imited quantities (ADR)	: F1 : 144 : 11	, 601		

Packing instructions (ADR)

: P001, IBC02, R001

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Mixed packing provisions (ADR) Transport category (ADR)	: MP19 : 2
Hazard identification number (Kemler No.) Orange plates	33 33 1170
Tunnel restriction code (ADR)	: D/E
Transport by sea	
Special provisions (IMDG)	: 144
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2 : P001
Packing instructions (IMDG) IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: A
Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA) Special provisions (IATA)	: 60L : A3, A58, A180
ERG code (IATA)	: 3L
Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 144, 601
Limited quantities (ADN)	: 1L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Rail transport	. 54
Classification code (RID)	: F1
Special provisions (RID) Limited quantities (RID)	: 144, 601 : 1L
Excepted quantities (RID)	: 1L : E2
Packing instructions (RID)	: P001, IBC02, R001
Transport category (RID)	: 2
Hazard identification number (RID)	: 33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	ence code Applicable on Entry title or description	
28.	Industriesprit	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content

: 99.8 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category, Subcategory	Threshold	Annex
Methylethylketone	Butanone	78-93-3	2914 12 00	Category 3		Annex I

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (to	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier	
P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b	5000	50000	

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15.1.2. National regulations

C	4-0-1	ام مر ما
SWI	tzer	ano

omaonana	
Swiss National Regulations	 Article 13 Order on the protection of maternity (RS 822.111.52): Pregnant women and breastfeeding mothers cannot come into contact with this product (this substance/this preparation) when working except where it has been established, on th basis of a risk analysis performed in accordance with Art. 63 OLT 1 (RS 822.111), that ther is no concrete threat to the health of the mother or baby or that said threat can be excluded thanks to the suitable protection measures taken. Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2 Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18
Water Protection Ordinance (GSchV, SR 814.201)	years old are considered as young. : Class B
Clean Air Ordinance (LRV, SR 814.318.142.1)	: Annex 1, number 7, Class 3 Emission concentration must not exceed the following value: 150 mg/m ³
Accident Ordinance (StFV, SR 814.012)	: Annex 1, number 3 Threshold quantity: 200000 kg
VOC Ordinance (VOCV, SR 814.018)	: 99.8 %

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information Abbreviations and acronyms: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADN ADR European Agreement concerning the International Carriage of Dangerous Goods by Road Acute Toxicity Estimate ATE BLV **Biological limit value** CAS-No. Chemical Abstract Service number CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 DMEL **Derived Minimal Effect level** DNEL Derived-No Effect Level EC50 Median effective concentration EC-No. European Community number ΕN European Standard ΙΑΤΑ International Air Transport Association IMDG International Maritime Dangerous Goods LC50 Median lethal concentration LD50 Median lethal dose LOAEL Lowest Observed Adverse Effect Level NOAEC No-Observed Adverse Effect Concentration NOAEL No-Observed Adverse Effect Level NOEC No-Observed Effect Concentration

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Abbreviations and acronyms:		
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

Full text of H- and EUH-statements:		
EUH066	Repeated exposure may cause skin dryness or cracking.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 2	H225	On basis of test data
Eye Irrit. 2	H319	Calculation method

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 therefore not be construed as guaranteeing any specific property of the product.