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

## 1.1 Product identifier

Trade name

: RALMO-ZACK-2K TURBO

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

Product use	: Polyurethane foam
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## 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Ralmont GmbH Pavelsbacher Straße 17 92361 Berngau / DEUTSCHLAND
Telephone Telefax	:	+49(0)9181 5120240 +49(0)9181 5120241
Emergency telephone num- ber	:	
E-mail address of person responsible for the SDS	:	info@ralmont.de

## 1.4 Emergency telephone number

Giftzentrale Bonn, 24 Stunden täglich, Tel. +49(0)228-19240

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

## Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1 H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. Skin irritation, Category 2 H315: Causes skin irritation. Eve irritation, Category 2 H319: Causes serious eye irritation. Respiratory sensitisation, Category 1 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317: May cause an allergic skin reaction. Skin sensitisation, Category 1 Carcinogenicity, Category 2 H351: Suspected of causing cancer. Specific target organ toxicity - single ex-H335: May cause respiratory irritation. posure, Category 3, Respiratory system Specific target organ toxicity - repeated H373: May cause damage to organs through proexposure, Category 2 longed or repeated exposure if inhaled.

## 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms	:		
Signal word	:	Danger	V V
Hazard statements	:	H222 H229 H315 H317 H319 H334 H335 H351 H373	Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through pro- longed or repeated exposure if inhaled.
Precautionary statements	:	P101 P102	If medical advice is needed, have product container or label at hand. Keep out of reach of children.
		Prevention:	
		P202	Do not handle until all safety precautions
		P210	have been read and understood. 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 igni- tion source.
		P251	Do not pierce or burn, even after use.
		P260	Do not breathe dust or mist.
		P271	Use only outdoors or in a well-ventilated ar-
		P280	ea. Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P304 + P340 + F	P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
		P308 + P313	IF exposed or concerned: Get medical ad- vice/ attention.
		Storage:	
		P405 P410 + P412	Store locked up. Protect from sunlight. Do not expose to tem- peratures exceeding 50 °C/ 122 °F.
		Disposal:	
		P501	Dispose of contents/container in accordance with local regulation.



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## Hazardous components which must be listed on the label:

Diphenylmethanediisocyanate, isomeres and homologues

## Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use."

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

## Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
Reaction products of phosphoryl	1244733-77-4	Acute Tox. 4; H302	>= 10 - < 20
trichloride and methyloxirane	807-935-0		
	01-2119486772-26-		
	XXXX		





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Diphenylmethanediisocyanat isomeres and homologues	e, 9016-87-9 Not Assigned	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 STOT RE 2; H373 specific concentration limit Eye Irrit. 2; H319 >= 5 % Resp. Sens. 1; H334 >= 0,1 % Skin Irrit. 2; H315 >= 5 % STOT SE 3; H335	>= 10 - < 20
ethanediol	107-21-1 203-473-3 01-2119456816-28-	>= 5 % Acute Tox. 4; H302 STOT RE 2; H373 (Kidney, Liver)	>= 5 - < 10
	XXXX	(Ridney, Liver)	
Substances with a workplace dimethyl ether	exposure limit : 115-10-6 204-065-8 01-2119472128-37- XXXX	Flam. Gas 1; H220	>= 5 - < 10
isobutane	75-28-5 200-857-2 01-2119485395-27- XXXX	Flam. Gas 1; H220	>= 5 - < 10
propane	74-98-6 200-827-9 01-2119486944-21- XXXX	Flam. Gas 1; H220	>= 2,5 - < 5

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	:	Move to fresh air.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

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	If symptoms persist, call a physician.	
In case of eye contact :	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.	
If swallowed :	Do not induce vomiting without medical advice Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconsci	
4.2 Most important symptoms and	effects, both acute and delayed	
Symptoms :	Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information and symptoms.	on health effects
Risks :	irritant effects sensitising effects Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or brities if inhaled.	eathing difficul-
4.3 Indication of any immediate me	May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolone exposure if inhaled.	

: Treat symptomatically.

## SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Water spray jet Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet

Treatment



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## 5.2 Special hazards arising from the substance or mixture

Hazardous ucts	combustion prod-	:	Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx) Hydrogen cyanide (hydrocyanic acid) Bromine compounds Chlorine compounds
5.3 Advice for	0	_	In the event of fire, wear calf contained breathing

Special protective equipment:In the event of fire, wear self-contained breathing apparatus.for firefighters:Use water spray to cool unopened containers.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Deny access to unprotected persons.
		Deny access to unprotected persons.

## 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and material for containment and cleaning up

## 6.4 Reference to other sections

For personal protection see section 8.

## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Advice on safe handling	: Avoid exceeding the given occupational exposure limits (see section 8).
	Do not get in eyes, on skin, or on clothing.
	For personal protection see section 8.
	Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
	Smoking, eating and drinking should be prohibited in the application area.
	Take precautionary measures against static discharge.
	Open drum carefully as content may be under pressure.
	Follow standard hygiene measures when handling chemical products

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Advice on protection against fire and explosion	:	Keep away from heat/ sparks/ open flames/ ho smoking. Do not spray on a naked flame or an material. Take precautionary measures agains discharges.	iy incandescent
Hygiene measures	:	Handle in accordance with good industrial hyg practice. When using do not eat or drink. Whe smoke. Wash hands before breaks and at the	n using do not
7.2 Conditions for safe storage,	inc	uding any incompatibilities	
Requirements for storage areas and containers	:	BEWARE: Aerosol is pressurized. Keep away exposure and temperatures over 50 °C. Do no or throw into fire even after use. Do not spray red-hot objects. Store in original container. Ke tightly closed in a dry and well-ventilated place precautions. Store in accordance with local reg	ot open by force on flames or ep container e. Observe label
Storage class (TRGS 510)	:	2B, Aerosol cans and lighters	
Further information on stor- age stability	:	No decomposition if stored and applied as dire	ected.
7.3 Specific end use(s)			
Specific use(s)	:	Cleaning with aprotic polar solvents must be a Consult most current local Product Data Shee use.	

## SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

## **Occupational Exposure Limits**

· ·							
Components	CAS-No.	Value type (Form	Control parame-	Basis *			
		of exposure)	ters *				
Diphenylmethanediisocyanate, isomeres	9016-87-9	AGW (Inhalable	0,05 mg/m3	DE TRGS 900			
and homologues		fraction)	(MDI)				
	Peak-limit: excursion factor (category): 1;=2=(I)						
	Further information: Skin absorption, When there is complia with the OEL and biological tolerance values, there is no ris harming the unborn child, Substance sensitizing through the						
	and respiratory system						
dimethyl ether	115-10-6	TWA	1.000 ppm	2000/39/EC			
			1.920 mg/m3				
	Further informa	ation: Indicative					
		AGW	1.000 ppm	DE TRGS 900			
			1.900 mg/m3				
	Peak-limit: excursion factor (category): 8;(II)						
	Further information: Senate commission for the review of com-						
	pounds at the work place dangerous for the health (M commission)., European Union (The EU has establish						
	value: deviations in value and peak limit are possible)						

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isobutane	75-28-5	AGW	1.000 ppm 2.400 mg/m3	DE TRGS 900				
	Peak-limit: ex	xcursion factor (categ	ory): 4;(II)					
	Further infor	mation: Senate comm	nission for the rev	iew of com-				
	pounds at the commission)	pounds at the work place dangerous for the health (MA commission).						
ethanediol	107-21-1	STEL	40 ppm 104 mg/m3	2000/39/EC				
	Further infor	mation: Identifies the	possibility of sign	ificant uptake				
	through the s	skin, Indicative		·				
		TWA	20 ppm 52 mg/m3	2000/39/EC				
		AGW (Vapour and aerosols)	10 ppm 26 mg/m3	DE TRGS 900				
	Peak-limit: ex	Peak-limit: excursion factor (category): 2;(I)						
	Further infor	Further information: Senate commission for the review of com-						
		pounds at the work place dangerous for the health (MAK-						
		commission)., European Union (The EU has established a limit						
		value: deviations in value and peak limit are possible), Sum of						
		vapor and aerosols., Skin absorption, When there is compliance						
		with the OEL and biological tolerance values, there is no risk of						
	harming the		ſ					
propane	74-98-6	AGW	1.000 ppm 1.800 mg/m3	DE TRGS 900				
	Peak-limit: ex	Peak-limit: excursion factor (category): 4;(II)						
	Further infor	Further information: Senate commission for the review of com-						
		pounds at the work place dangerous for the health (MAK- commission).						

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

## 8.2 Exposure controls

## Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

## Personal protective equipment

Eye protection Hand protection	<ul> <li>Safety glasses with side-shields conforming to EN166</li> <li>Eye wash bottle with pure water</li> <li>Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.</li> </ul>
	Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection	Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers).



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Respiratory protection :	In case of inadequate ventilation wear respirator Respirator selection must be based on known of exposure levels, the hazards of the product and ing limits of the selected respirator. organic vapor (Type A) and particulate filter A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 P1: Inert material; P2, P3: hazardous substance Ensure adequate ventilation, especially in confi When workers are facing concentrations above limit they must use appropriate certified respirator	ppm es ned areas. the exposure
Environmental exposure contr	ols	
General advice	Do not flush into surface water or sanitary sewe If the product contaminates rivers and lakes or respective authorities.	

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Physical state Colour	:	aerosol various
Boiling point/boiling range	:	No data available
Flammability	:	Extremely flammable aerosol.
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
рН	:	Not applicable substance/mixture reacts with water
Viscosity		
Viscosity, kinematic	:	Not applicable
Vapour pressure	:	5100 hPa
Density	:	ca. 1,014 g/cm3 (25 °C)

## 9.2 Other information

No data available

## **SECTION 10: Stability and reactivity**

## **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.



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le.		
ctic	ons	
:	Stable under recommended storage conditions.	
:	Heat, flames and sparks.	
:	No data available	
rod	lucts	
d ap	oplied as directed.	
	ctic : : rod	le. ctions : Stable under recommended storage conditions. : Heat, flames and sparks.

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

## Acute toxicity

Not classified based on available information.

**SECTION 11: Toxicological information** 

## **Components:**

## Reaction products of phosphoryl trichloride and methyloxirane:

Acute oral toxicity	:	LD50 Oral (Rat): > 630 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 7 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg

#### Diphenylmethanediisocyanate, isomeres and homologues:

Acute inhalation toxicity	<ul> <li>LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.</li> </ul>
Acute oral toxicity	: LD50 Oral (Rat): > 10.000 mg/kg

## Acute dermal toxicity : LD50 Dermal (Rabbit): > 9.400 mg/kg

## Skin corrosion/irritation

Causes skin irritation.

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Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

## Skin sensitisation

May cause an allergic skin reaction.

## **Respiratory sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

## Germ cell mutagenicity

Not classified based on available information.

## Carcinogenicity

Suspected of causing cancer.

## **Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure** May cause respiratory irritation.

## STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

## Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

## **Endocrine disrupting properties**

## Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Components:

# Diphenylmethanediisocyanate, isomeres and homologues: Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h

Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h

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## 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

## Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

## **12.6 Endocrine disrupting properties**

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

## Product:

Additional ecological infor- mation	:	There is no data available for this product.
mation		

## **SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

Product: The generation of waste should be avoided or minimized<br/>wherever possible.<br/>Empty containers or liners may retain some product residues.<br/>This material and its container must be disposed of in a safe<br/>way.<br/>Dispose of surplus and non-recyclable products via a licensed<br/>waste disposal contractor.<br/>Disposal of this product, solutions and any by-products should<br/>at all times comply with the requirements of environmental<br/>protection and waste disposal legislation and any regional<br/>local authority requirements.<br/>Avoid dispersal of spilled material and runoff and contact with<br/>soil, waterways, drains and sewers.Free recycling by company PDR Recycling GmbH + Co KG.

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Information for free call 0049-800-7836736

SECTION 14: Transport inform	nat	tion
14.1 UN number		
ADR	:	UN 1950
IMDG	:	UN 1950
ΙΑΤΑ	:	UN 1950
14.2 UN proper shipping name		
ADR	:	AEROSOLS
IMDG	:	AEROSOLS
ΙΑΤΑ	:	Aerosols, flammable
4.3 Transport hazard class(es)		
ADR	:	2
IMDG	:	2.1
ΙΑΤΑ	:	2.1
4.4 Packing group		
<b>ADR</b> Packing group Classification Code Labels Tunnel restriction code	:	Not assigned by regulation 5F 2.1 (D)
<b>IMDG</b> Packing group Labels EmS Code	:	Not assigned by regulation 2.1
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	:	
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	:	203 Y203 Not assigned by regulation Flammable Gas
14.5 Environmental hazards	•	

## ADR

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Environmentally hazardous	:	no	
IMDG Marine pollutant	:	no	
IATA (Passenger) Environmentally hazardous	:	no	
IATA (Cargo) Environmentally hazardous		no	

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## **SECTION 15: Regulatory information**

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture REACH - Restrictions on the manufacture, placing on Conditions of restriction for the folthe market and use of certain dangerous substances, lowing entries should be considered: preparations and articles (Annex XVII) Diphenylmethanediisocyanate, isomeres and homologues (Number on list 74, 56) International Chemical Weapons Convention (CWC) Not applicable 2 Schedules of Toxic Chemicals and Precursors REACH - Candidate List of Substances of Very High None of the components are listed Concern for Authorisation (Article 59). (=> 0.1 %). REACH - List of substances subject to authorisation : Not applicable (Annex XIV) Regulation (EC) No 1005/2009 on substances that de-1 Not applicable plete the ozone layer Regulation (EU) 2019/1021 on persistent organic pollu-2 Not applicable tants (recast) Regulation (EC) No 649/2012 of the European Parlia-Not applicable : ment and the Council concerning the export and import of dangerous chemicals **REACH Information:** All substances contained in our Products are - registered by our upstream suppliers, and/or - registered by us, and/or - excluded from the regulation, and/or

- exempted from the registration.



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Seveso III: Directive 2012/18/EU jor-accident hazards involving da P3a	of the European Parliament and of the Council on the control of ma- angerous substances. FLAMMABLE AEROSOLS		
Water hazard class (Germa- : ny)	WGK 1 slightly hazardous to water Classification according to AwSV, Annex 1 (5.2)		
Volatile organic compounds :	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 18,2% w/w		
	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 18,2% w/w		

## Other regulations:

75/324/EEC

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Product is no subject to the Chemicals Prohibition Ordinance.

Contains a substance which is subject to the TRGS 905 : Diphenylm list of carcinogenic, germ cell mutagenic and reproductive toxic substances.

: Diphenylmethanediisocyanate, polymeric

## 15.2 Chemical safety assessment

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

## **SECTION 16: Other information**

## **Full text of H-Statements**

H220 H302 H315	:	Extremely flammable gas. Harmful if swallowed. Causes skin irritation.				
H317 H319 H332	:	May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled.				
H334	:	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.				
H335	:	May cause respiratory irritation.				
H351 H373	÷	Suspected of causing cancer. May cause damage to organs through prolonged or repeated				
1075	·	exposure.				
H373	:	May cause damage to organs through prolonged or repeated exposure if inhaled.				
Full text of other abbreviations						
Acute Tox. Carc. Eye Irrit.	::	Acute toxicity Carcinogenicity Eye irritation				

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vPvB	:	Very persistent and very bioaccumulative
SVHC		and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency Substances of Very High Concern
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament
PNEC	:	Predicted no effect concentration
PBT	:	Persistent, bioaccumulative and toxic
OEL	:	Ships, 1973 as modified by the Protocol of 1978 Occupational Exposure Limit
MARPOL	:	air that kills 50% of the test animals during the observation period) International Convention for the Prevention of Pollution from
LC50	:	once, which causes the death of 50% (one half) of a group of test animals) Median lethal concentration (concentrations of the chemical in a size that kills $50\%$ of the test animals during the observation
LD50	:	Median lethal dosis (the amount of a material, given all at
IMDG	:	International Maritime Code for Dangerous Goods
ΙΑΤΑ	:	International Air Transport Association
GHS	:	Globally Harmonized System
EC50	:	Half maximal effective concentration
DNEL	:	Derived no-effect level
CAS	:	Chemical Abstracts Service
ADR	•	Dangerous Goods by Road
DE TRGS 900 / AGW ADR	÷	Time Weighted Average European Agreement concerning the International Carriage of
2000/39/EC / STEL	÷	Short term exposure limit
2000/39/EC / TWA	÷	Limit Value - eight hours
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
	-	list of indicative occupational exposure limit values
2000/39/EC	÷	Europe. Commission Directive 2000/39/EC establishing a first
STOT SE	:	Specific target organ toxicity - single exposure
STOT RE	:	Specific target organ toxicity - repeated exposure
Skin Sens.	:	Skin sensitisation
Resp. Sens. Skin Irrit.	÷	Respiratory sensitisation Skin irritation
Doon Cono		Despiratory equalitization

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Classification of the mixture:		Classification procedure:
Aerosol 1	H222, H229	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method





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The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

DE / EN