W-FAST CLEAR

Product name

Code 12269666

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1. PRO	DU	CT AND COMPANY IDENTIFICATION
Product name	:	W-FAST CLEAR
Code	:	12269666
Main recommended uses	:	Coating for automotive refinishing sector
Address	:	Rodovia BR 280 - km 50 CEP 89270-000, Guaramirim - SC
Telephone	:	+55 47 3276-4000
Emergency telephone number	:	0800 720 8000
E-mail / site	:	tintas@weg.net   www.weg.net
	2	. HAZARD IDENTIFICATION
Mixture classification Flammable liquids	:	Category 3
Skin Corrosion/irritation	:	Category 2
Serious eye damage/eye irritation	:	Category 2A
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - Single exposure	:	Category 3(May cause respiratory irritation.)
Hazardous to the aquatic environment - Acute	:	Category 3
Hazardous to the aquatic environment - Cronic	:	Category 3
Classification according to N	JRF	2 14725-2/2019

Classification according to NBR 14725-2/2019

# Labelling Elements



Warning phrase Danger :

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Hazard phrases	:	<ul> <li>H226 Flammable liquid and vapour.</li> <li>H315 Causes skin irritation.</li> <li>H319 Causes serious eye irritation.</li> <li>H360 May damage fertility or the unborn child.</li> <li>H335 May cause respiratory irritation.</li> <li>H402 Harmful to aquatic life.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>
Caution Phrases	:	<b>Prevention:</b> P201 Obtain special instructions before use.
		P202 Do not handle until all safety precautions have been read and understood.
		P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P233 Keep container tightly closed.
		P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
		P273 Avoid release to the environment.
		P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
		<b>Reaction:</b> P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
		P308+P313 IF exposed or concerned: Call a doctor.
		P337+P313 If eye irritation persists get medical advice/attention.
		P362+P364 Take off contaminated clothing and wash it before reuse.
		P370+P378 In case of fire: Use as chapter 5 of MSDS to extinguish.
		<b>Storage:</b> P403+P233 Store in a well ventilated place. Keep containertightly closed.
		P403+P235 Store in a well ventilated place. Keep cool.
		<b>Treatmentand disposal of waste:</b> P501 Dispose of contents/container as chapter 13 of the MSDS.
Other hazard	:	When heated above its flash point, this material will release toxic vapors and flames, and can burn in open area if exposed to an ignition source.

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3. COMPOSITION AND INFORMATION ABOUT THE INGRENDIENTS

### Product type:

: Mixture

### Ingrendients that contribute to danger:

Product name	CAS No.	Risck classification	Concentration [%]
SOLVENT METHYL ETHYL KETONE	78-93-3	Flammable liquids , Category 3 Serious eye damage/eye irritation , Category 2A Specific target organ toxicity - Single exposure , Category 3	>= 20 - < 30
Exo-1,7,7- trimetylbicycle[2.2.1]hept-2- yl Methacrylate	7534-94-3	Skin Corrosion/irritation , Category 2 Serious eye damage/eye irritation , Category 2 Specific target organ toxicity - Single exposure , Category 3	>= 10 - < 20
BUTYL ACETATE	123-86-4	Flammable liquids , Category 3 Specific target organ toxicity - Single exposure , Category 3 Hazardous to the aquatic environment - Acute , Category 3	>= 10 - < 20
GLYCOL ETHYL ACETATE SOLVENT (N)	111-15-9	Flammable liquids , Category 3 Reproductive toxicity , Category 1B Acute toxicity Ingestion, Category 4 Acute toxicity Dermal, Category 4 Acute toxicity Inhalation, Category 4	>= 1 - < 5
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM	64742-95-6	Flammable liquids , Category 3 Skin Corrosion/irritation ,	>= 1 - < 5



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		Category 2 Serious eye damage/eye irritation , Category 2A Specific target organ toxicity - Single exposure , Category 3 Aspiration hazard , Category 1 Hazardous to the aquatic environment - Acute , Category 2 Hazardous to the aquatic environment - Cronic , Category 2	

### 4. FIRST AID MEASURES Inhalation : Take the victim to fresh air, keeping them rested and warm. If breathing is irregular or has stopped, apply artificial respiration. Do not give anything orally. Seek medical assistance immediately, bringing the product label whenever possible. Contact with the skin : Remove the product with vegetal oil (cooking oil) and then wash the skin thoroughly with plenty of water. Do not use solvents or thinners. Seek medical attention in case of any irritation or other symptoms. Contact with the eyes : Remove contact lenses, if wearing any. Flush the eyes with running water for at least 15 minutes, holding the eyelids apart. Seek medical assistance immediately, bringing the product label with you. Ingestion : Do not provoke vomiting. Consult with a doctor immediately. Most important symptoms : Headaches, dizziness, fatigue and in extreme cases, loss of and effects, both acute and consciousness. delayed Notes for the doctor : Treat symptomatically. Do not induce vomiting because of risk of aspiration of gastric contents into the lungs. Gastric lavage is recommended when the patient ingests large quantities, more than 5ml of the substance in its pure form. The toxic potential of the quantity consumed must be evaluated in relation to the risk of aspiration during gastric lavage. Activated coal in solution could be useful. However, in some cases the coal induces vomiting.

#### 5. FIRE-FIGHTING MEASURES

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#### Product name

MATERIAL SAFETY DATA SHEET - MSDS W-FAST CLEAR Code 12269666 Last revision: 14.08.2020 Page: 5 of 16 Suitable extinguishing Water in mist form 2 Carbon dioxide (CO2) Foam alcohol resistent Dry chemical powder Extinguishing methods not : Direct water jet. recommended **Specific dangers** : Flammable liquid and vapour. Dangerous when exposed to heat or ignition source. Exposed packaging to the fire may rupture due to the increased pressure with risk of a subsequent explosion. The vapours are havier than the air and spread close to the ground and it can move to the ignition source and provoke fire or backspace of the flames. Avoid the accumulation of vapours in depressions on the ground, manholes, basement etc. The vapours and/or the particles

		finely divided (spray) may form explosive mixtures with the air. In case of burning of the product, it forms carbon and nitrogen compounds. The inhalation of these subproducts may cause damage to health.
Protective measures of the fire fighting team.	:	The personnel involved in firefighting should wear self contained breathing apparatus with positive pressure and full protection clothes.
Specific methods	:	Evacuate and isolate the area. Approach from fire with wind at your back. Fight the fire to a secure distance. Remove the packaging of the product from the fire area if this can be made with safety. Chill sideways with water in form of fog all the closed packaging near the fire. Avoid that the resulting water from fire fighting reaches drains or waterways. Use dikes to contain this water and eliminate it according to environmental regulations.

# 6. SPILL / LEAK CONTROL PROCEDURES

Personal precautions, protective equipment and emergency procedures

For the emergency service staff	:	If specialized clothing is needed to combat the leak/spillage, Section 8 should be consulted. All precautions described in the following section must be followed.
For staff who are not part of the emergency services	:	No action should be taken that may generate danger to people without adequate training and qualifications.Understand the dangers of leaked/spilled products. Use appropriate personal protective equipment - see section 8. Evacuate surrounding areas. Isolate area and keep onlookers away. Do not touch or walk through spilled material. Eliminate all sources of ignition.Avoid breathing vapor or mist. Provide adequate ventilation if possible. Wear appropriate respiratory mask when ventilation is inadequate.In accordance with characteristics of the location and/or area and in relation to the amount of spilled/leaked product,

methods



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		additional emergency measu supervision of a trained profe		aken under the
Environmental p	precautions :	Prevent the product or the wa waterways, channels, drains, or galleries spi lled liquid with inert material approprieate, use absorbent materials such	s. In case of s such as sand	ignificant spill, retain I or earth. In
Methods and mat	terials for conta	ainment and cleaning		
Large spills / lea	iks :	Understand the dangers Approaching the site with the this can be done safely. Core the leak point for later dispose the spills site. Preferably used product. All equipment used be electrically grounded. So (sand, vermiculite) placing the later disposal - see chapter 1	ne wind from nfine the spill sal. Remove e anti sparklir l when handl bak up with a ne same in a	I in a dike away from local packaging from ng tools to collect the ing the product must an inert dry material
Small spills / lea	i <b>ks</b> :	Contain and collect the mate materials and non-combustic vermiculite, calcined diatomit accordance with local regula	ole, such as s te, etc. in a w	and, earth,
		Stop the leak if this can be de tarp to prevent the spread by tools and explosion-proof eq collect the product. Place the and properly identified contai so removing them from the s Remove the packaging from disposal need refer to chapter	wind or rain uipment prop material coll iners. Cap the spill site. Avoid the spill site.	Use antifaiscantes berly grounded to lected in dry, clean e container loosened d formation of dust.

#### Precautions for safe handling

Instructions for safe	Use individual protective equipment. Emergency showers and eye wash basins must be installed in locations of use and storage.
Precautions for safe :	Use appropriate personal protective equipment - see section 8; The product handling should occur in places with good natural ventilation or with the presence of local exhaust ventilation; The electrical installations must comply with the International Electrical Commission Standards (IEC), ABNT Standards (Brazilian Association of Technical Standards), taking into account the results of the classification area study for the local and/or product instalation. Use anti-sparking tools when handling the product; In transfer operations, metal containers must be used and all containers

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		must be properly grounded to accumulation of static energy surfaces, sparks, open flames Do not smoke;Do not ingest. A smoke as well as avoid conta Eating and drinking should be material is handled, stored an wash their hands before eatin Remove contaminated clothin before entering food areas; A original packaging, sealed; Er hazardous and should be disp the packaging;Emergency sho installed in the use and storag Do not handle the product un all safety precautions contained	; Handle and s, and other s Avoid inhalati ct with eyes, s prohibited in ad processed. ng, drinking ar ag and protect fter use keep mpty containe bosed of prop owers and ey ge places. til you have re	use away from hot ources of ignition. on of vapors or skin and clothing; the area where the Workers should of smoking. ive equipment the product in its rs may be erly. Do not reuse e washer should be ead and understood
Fire protection	:	Only use in well-ventilated lo of vapors in explosive concer of the system, in contact with grounded Keep away from he that do not produce sparks sh	ntrations.All c the product, eat and source	onductive elements must be electrically es of ignition.Tools
Storage conditions	S			
Substances to be a	avoid :	Keep away from oxidising ag strong alkaline solutions.	gents, strong	acid solutions and
Storage condition	IS :	The electrical installation m Electrical Code) or IEC (Inte standards and/or those of the Technical Standards). The flu impermeable, non-combustib allow run off into the contai must be surrounded by emba of leakage.	rnational Elec a ABNT (Braz oor of the sto ble and must inment reser	ctrical Commission) zilian Association of prage area must be have ditches that voir. Storage tanks
Appropriate stora conditions	ge :	Store the material in cover identified areasKeep out of a container.		
Inappropriate stor conditions	rage :	Exposed to elevated tempe oxidizing agents.Close to for ignition.		
Materials to avoid	I :	Do not store with explosive a gases, oxidizing, corrosive su generate spontaneous combu	ubstances, or	
Secure packaging	materials			
Recommended pa materials	ackaging :	Amber type glass. Metal packaging		
Packaging materia	als to be :	Certain plastic materials		

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#### 8. EXPOSURE CONTROL – PERSONAL PROTECTION

The information in this chapter contain general guidelines. Chapter 1 should be consulted for any information on the recommended use of this product in different scenarios of exposure.

Engineering control measures	ation icated ipment. ations sive
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#### **Control parameters**

#### **Occupational Exposure Limits**

Name	CAS No.	TLV/TWA	TLV/STEL	TLV/TETO	Source
SOLVENT METHYL	78-93-3	200 ppm	300 ppm		ACGIH
ETHYL KETONE					
Exo-1,7,7-	7534-94-3				
trimetylbicycle[2.2.1]hept					
-2-yl Methacrylate					
BUTYL ACETATE	123-86-4	50 ppm	150 ppm		ACGIH
GLYCOL ETHYL	111-15-9	5 ppm			ACGIH
ACETATE SOLVENT (N)					
SOLVENT NAPHTHA	64742-95-6	100 ppm			ACGIH
(PETROLEUM) LIGHT					
AROM					

\*PPM - parts of vapour or gas per million of parts of contaminated air

\*\*MG/m<sup>3</sup> - miligrams per cubic meter of air.

#### Personal protective equipment required

Respiratory protection	:	In case of the concentrations are above the indicated tolerance limits, the use of appropriated mask is necessary for this goal (half-face mask or full face mask with filter to organic vapors and acid gases).
Hand protection	:	Use nitrilic gloves associated with the use of the adequate protection cream
Eye protection	:	Use hermetic goggles to protect against liquid splashes.
Body and skin protection	:	It is recommended the use of apron barber type to protecting upper limbs, trunk and lower limbs in case of splash. In case of risk of static electricity generation the

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cloth should be antistatic, includin the apron.

9. PHY	SIC	CAL AND CHEMICAL PROPERTIES
Form	:	Liquid
State of matter	:	Liquid
Color	:	Colorless
Odour	:	Distinctive
Odour limit	:	Not applicable
рН	:	Not applicable
Melting point	:	Data not available.
Boiling point	:	Data not available.
Flash Point (Open cup)	:	31 °C
Evaporation rate	:	Data not available.
Inflammation point	:	Method: Data not available.
Upper explosive limit	:	Data not available.
Lower explosive limit	:	Data not available.
Vapor pressure	:	Data not available.
Density	:	0,93 - 1,03 g/cm³
Solubility(ies)	:	Water-insoluble
N-octano /water partition coefficient	:	Data not available.
Auto flammability	:	Data not available.
Cinematic viscosity (25°C)	:	68 - 72 s CF4
Vapor density	:	Data not available.
Decomposition temperature	:	

# 10. STABILITY AND REACTIVITY

Reactivity	:	Presents no reactivity at room temperature and under normal conditions of use.
Chemical stability	:	Stable at room temperature and under normal conditions of use. Unstable at temperatures above the flash point.

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Possibility of da reactions	angerous	Presents no reactive conditions of use. None when the p correctly.		ure and under norma
Need to add add inhibitors	ditives and	Not necessary.		
Conditions to av	void	Extreme heat and c	pen flame.	
Incompatible ma	aterials		prosive substances, bus combustion.	ilammableand/or toxi or materials that ma
Dangerous proc decomposition	lucts of	Produces noxious carbon dioxide (CO	gases such as car 2) and nitrogen oxide	

#### 11. TOXICOLOGICAL INFORMATION

#### Components SOLVENT METHYL ETHYL KETONE

Acute toxicity by oral use		Test species DL50 Observations	Rat 2.400 - 3.400 mg/kg
Acute toxicity by inhalation	:	Test species DL50 Observations	Data not available.
Acute toxicity by cutaneous use	:	Test species DL50 Observations	Rabbit 13.000 mg/kg
Acute toxicity (other methods of administration)	:	Test species DL50 LC50 Non-standard unit value	Data not available.
Corrosion/irritation of skin	:	Data not available.	
Serious eye damage/eye irritation	:	Category 2A	
Respiratory or dermal sensitivity	:	Data not available.	
Mutageneses	:	Data not available.	
Carcinogenicity	:	Data not available.	
Toxic effects for reproduction	:	Data not available.	
Specific target organ	:	Passengers effects on organ ta	arget . These are effects that

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toxicity (STOT) - single exposure	alter human function fo	or a short period of exposure
Specific target organ toxicity (STOT) - repeat exposure	: Data not available.	
Aspiration hazard	: Data not available.	
Exo-1,7,7-trimetylbicycl	e[2.2.1]hept-2-yl Methacryla	ite
Acute toxicity by oral use	: Test species DL50 Observations	Data not available.
Acute toxicity by inhalation	: Test species DL50 Observations	Data not available.
Acute toxicity by cutaneous use	: Test species DL50 Observations	Data not available.
Acute toxicity (other methods of administration)	: Test species DL50 LC50 Non-standard unit valu	Data not available.
Corrosion/irritation of skin	: Category 2	
Serious eye damage/ey irritation	e : Category 2A	
Respiratory or dermal sensitivity	: Data not available.	
Mutageneses	: Data not available.	
Carcinogenicity	: Data not available.	
Toxic effects for reproduction	: Data not available.	
Specific target organ toxicity (STOT) - single exposure	: Data not available.	
Specific target organ toxicity (STOT) - repeat exposure	: Data not available.	
Aspiration hazard	: Data not available.	
BUTYL ACETATE		
Acute toxicity by oral use	: Test species DL50 Observations	Rat 14.000 mg/kg
Acute toxicity by	: Test species	Rat

Product name



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ast revision:	14.08.2020			Page: 12	of <b>16</b>
inhalation			DL50 Observations	21 mg/l4	4 h
Acute toxicit cutaneous us		:	Test species DL50 Observations	Rabbit 14.080 i	mg/kg
Acute toxicit methods of administratic		:	Test species DL50 LC50 Non-standard unit value	Data no	t available.
Corrosion/irr skin	itation of	:	Data not available.		
Serious eye of irritation	damage/eye	:	Data not available.		
Respiratory o sensitivity	or dermal	:	Data not available.		
Mutageneses	5	:	Data not available.		
Carcinogenio	city	:	Data not available.		
Toxic effects reproduction		:	Data not available.		
Specific targ toxicity (STO exposure		:	Passengers effects on organ alter human function for a sh		
Specific targ toxicity (STO exposure		:	Data not available.		
Aspiration haz	zard	:	Data not available.		
GLYCOL ETH	HYL ACETATE	S	OLVENT (N)		
Acute toxicit use	y by oral	:	Test species DL50 Observations	Rat 2.700 m	ıg/kg
Acute toxicit inhalation	y by	:	Test species DL50 Observations	Data no	t available.
Acute toxicit cutaneous us		:	Test species DL50 Observations	Rabbit 10.200 i	mg/kg
Acute toxicit methods of administratic		:	Test species DL50 LC50 Non-standard unit value	Data no	t available.
Corrosion/irr	itation of		Data not available.		

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ast revision:	14.08.2020			Page	: <b>13</b> of <b>16</b>
Serious eye irritation	damage/eye	:	Data not available.		
Respiratory sensitivity	or dermal	:	Data not available.		
Mutagenese	es	:	Data not available.		
Carcinogen	icity	:	Data not available.		
Toxic effect reproductio		:	That is assumed that productive cap beings		
Specific targ toxicity (ST exposure		:	Data not available.		
Specific targ toxicity (ST exposure		:	Data not available.		
Aspiration ha	azard	:	Data not available.		
SOLVENT N	АРНТНА (РЕТ	RC	DLEUM) LIGHT AROM		
Acute toxici use	ty by oral	:	Test species DL50 Observations	Rat 5.00	0 mg/kg
Acute toxici inhalation	ty by	:	Test species DL50 Observations		mg/m³4 h a not available.
Acute toxici cutaneous u		:	Test species DL50 Observations	Rab 2.00	bit 0 mg/kg
Acute toxici methods of administrati		:	Test species DL50 LC50 Non-standard unit value	Data	a not available.
Corrosion/iı skin	ritation of	:	Category 2		
Serious eye irritation	damage/eye	:	Category 1		
Respiratory sensitivity	or dermal	:	Data not available.		
Mutagenese	es	:	Data not available.		
Carcinogen	icity	:	Data not available.		
Toxic effect reproductio		:	Data not available.		
Specific tar	get organ	:	May cause respiratory irrita	ation.	

PAUMAR S.A. INDÚSTRIA E COMÉRCIO - GRUPO WEG

Code 12269666 Last revision: 14.08.2020 Page: 14 of 16 toxicity (STOT) - single exposure Specific target organ : Data not available. toxicity (STOT) - repeat exposure Aspiration hazard : Data not available.

	12. ECOLOGICAL INFORMATION	
Stability in soil	: The product easily infiltrates into the soil	
-		
Other toxicological	: Data not available.	
observations		
observations		
Ecotoxicity	: Detrimental to the flora.	
	Contaminates the ground water.	
	Detrimental to the fauna	

1	3. DIOSPOSAL AND TREATMENT CONSIDERATIONS
Recommended met	thods for final disposal
Product	: Class I Waste - Dispose of in industrial landfill or a facility

	authorized for recycling in accordance with federal, stateor local regulations
Waste	: Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, stateor local regulations
Used packaging :	Clean packaging should be sent for recycling. Packaging with class I waste should be disposed of in industrial landfill or a facility authorized for recycling in accordance with federal, state or local regulations.

	14. TRANSPORTATION INFORMATION
fLand ONU	: 1263
Class of risk	: 3
Risk number	: 30
Packaging group	: 111
Name	Paint (including coats, lacquers, enamels, colorant, gum- lacquers, varnishes, polishes, liquid fillers and liquid lacquers



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Shipping ONU		: 1263		
Class of risk	(	: 3		
Packaging g	jroup	: 111		
EmS		F-E		
MFAG		310		
Appropriate dispatch	name for	· · ·	g coats, lacquers, ename shes, polishes, liquid fille	
Air transport		4000		
ONU		: 1263		
Class of risk	(	: 3		
Packaging g	jroup	: 111		
• • /				

Appropriate name for<br/>dispatchPaint (including coats, lacquers, enamels, colorant, gum-<br/>lacquers, varnishes, polishes, liquid fillers and liquid lacquers)

# 15. REGULATORY INFORMATION

This MSDS (Material Safety Data Sheet) was generated according to the criteria of NBR 14725/2014. (Brazilian standard that defines the GHS).

Specific Regulations for the Chemical Product.	Federal Decree No. 2657, July 3rd, 1998.
	Ordinance No. 229, May 24th, 2011 - Changes to Regulatory Standard No. 26.
	ABNT NBR 14725: 2014 - valid from 19/12/2014 -
	Amendment 1 (19/11/2014).
	Law No. 12305, August 2nd 2010 (Solid Waste National Policy).
	Decree No. 7404, December 23rd , 2010.
	Resolution ANTT N° 5.232, December 14th 2016.

# 16. ADDITIONAL INFORMATION

# Acronyms Used:

Legenda:

CAS	Chemical Abstract Service
VO	Organic Vapors

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NEC	National Eletrical code/Código Nacional de Eletricidade		
IEC:	International Eletrical Commision		
ABNT	Brazilian Association of Technical Standards		
ACGIH	American Conference of Governmental Industrial Hygienists		
TLV	Threshold Limit Values		
TLV/TWA	Time Weighted Average		
TLV/STEL	Short Term Exposure Limit		
TLC/C:	Tolerance Limit - Ceiling Value		
EPI:	Individual Protective Equipment		
CA	Approval Certificate		
PPRA	Environmental Risk Prevention Program		
NR	Regulatory Standard		
NFPA	National Fire Protection Agency		
mmHg	Millimeters of mercury - pressure unit		
DL50	Lethal Dose average		
CL50	Lethal Concentration average		
ppm	Parts per million		
N.d	Not available		
A+B	Viscosity of the mixture of component A + component B		

Important information, but not specifically described in the previous sections: This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical.

We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

References

: Data not available.

Vertical lines in the left hand margin indicate changes from the current version

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