

## **SAFETY DATA SHEET**

Published Date May-15-2019 Revision Date May-15-2019 Revision Number 2.5

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier Product code Product name Product category

ADE172 Flat Clear ADE Series SV Epoxy Screen Ink

Other means of identification Synonyms

Recommended use of the chemical and restrictions on useRecommended usePrinting operations

None

## Details of the supplier of the safety data sheet

UNITED STATES Nazdar Company 8501 Hedge Lane Terrace Shawnee, KS 66227 Tel: +001-913-422-1888 Tel: +001-800-677-4657 Fax: +001-913-422-2294 www.nazdar.com UNITED KINGDOM Nazdar Limited Barton Road Heaton Mersey Stockport, England SK4 3EG Tel: +44 161 442 2111

## Emergency telephone number

USA: Chemtrec: +001-800-424-9300 Outside USA: Chemtrec: +001-703-527-3887 24 Hour Emergency Phone Number

## 2. HAZARDS IDENTIFICATION

## **Classification**

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)
Flammable liquids	Category 3 - (H226)

#### Label elements



Danger

## Hazard Statements

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H372 - Causes damage to organs through prolonged or repeated exposure

H226 - Flammable liquid and vapor

#### **Precautionary Statements**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P270 - Do not eat, drink or smoke when using this product

P314 - Get medical advice/attention if you feel unwell

P233 - Keep container tightly closed

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P403 + P235 - Store in a well-ventilated place. Keep cool

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

#### Hazards not otherwise classified (HNOC)

Causes mild skin irritation.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Mixture

Component	CAS-No	Weight %	Trade Secret	Note
Resin	Trade Secret	30 - 60	*	
Dipropylene glycol monomethyl ether	34590-94-8	10 - 30	*	
Diacetone alcohol	123-42-2	10 - 30	*	
Crystalline silica (cristobalite)	14464-46-1	10 - 30	*	
Propylene glycol monomethyl ether	107-98-2	1 - 5	*	
2-Butoxyethanol	111-76-2	1 - 5	*	
Quartz, crystalline silica	14808-60-7	< 0.5	*	
Additive	Trade Secret	< 0.5	*	

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

## **Description of first aid measures**

General Advice Eye Contact	Show this safety data sheet to the doctor in attendance. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

None under normal use conditions.

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

Notes to Physician Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

## Suitable Extinguishing Media

Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

No information available.

#### Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

Handling Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

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

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

#### Control parameters

#### Exposure limits

Component	ACGIH TLV
Dipropylene glycol monomethyl ether	TWA: 100 ppm
34590-94-8	STEL: 150 ppm
	Skin
Diacetone alcohol	TWA: 50 ppm
123-42-2	
Crystalline silica (cristobalite)	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter
14464-46-1	
Propylene glycol monomethyl ether	TWA: 50 ppm
107-98-2	STEL: 100 ppm
2-Butoxyethanol	TWA: 20 ppm
111-76-2	
Quartz, crystalline silica	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter
14808-60-7	

Component	OSHA PEL
Dipropylene glycol monomethyl ether	TWA: 100 ppm
34590-94-8	TWA: 600 mg/m <sup>3</sup>
	Skin
Diacetone alcohol	TWA: 50 ppm
123-42-2	TWA: 240 mg/m <sup>3</sup>
Crystalline silica (cristobalite)	TWA: 50 μg/m³
14464-46-1	
2-Butoxyethanol	TWA: 50 ppm
111-76-2	TWA: 240 mg/m <sup>3</sup>
	Skin
Quartz, crystalline silica	TWA: 50 μg/m³
14808-60-7	

Component	OSHA PEL (vacated)
Dipropylene glycol monomethyl ether	TWA: 100 ppm
34590-94-8	TWA: 600 mg/m <sup>3</sup>
	STEL: 150 ppm
	STEL: 900 mg/m <sup>3</sup>
	Skin
Diacetone alcohol	TWA: 50 ppm
123-42-2	TWA: 240 mg/m <sup>3</sup>
Crystalline silica (cristobalite)	TWA: 0.05 mg/m <sup>3</sup> respirable dust
14464-46-1	
Propylene glycol monomethyl ether	TWA: 100 ppm
107-98-2	TWA: 360 mg/m <sup>3</sup>
	STEL: 150 ppm
	STEL: 540 mg/m <sup>3</sup>
2-Butoxyethanol	TWA: 25 ppm
111-76-2	TWA: 120 mg/m <sup>3</sup>
	Skin
Quartz, crystalline silica	TWA: 0.1 mg/m <sup>3</sup> respirable dust
14808-60-7	

Component	Ontario TWAEV
Dipropylene glycol monomethyl ether	TWA: 100 ppm
34590-94-8	STEL: 150 ppm
	Skin
Diacetone alcohol	TWA: 50 ppm
123-42-2	
Crystalline silica (cristobalite)	TWA: 0.05 mg/m <sup>3</sup> respirable
14464-46-1	
Propylene glycol monomethyl ether	TWA: 50 ppm
107-98-2	STEL: 100 ppm
2-Butoxyethanol	TWA: 20 ppm
111-76-2	
Quartz, crystalline silica	TWA: 0.10 mg/m <sup>3</sup> respirable
14808-60-7	

Component	Mexico OEL (TWA)
Dipropylene glycol monomethyl ether	TWA/VLE-PPT: 100 ppm
34590-94-8	TWA/VLE-PPT: 60 mg/m <sup>3</sup>
	STEL/PPT-CT: 150 ppm
	STEL/PPT-CT: 900 mg/m <sup>3</sup>
Diacetone alcohol	TWA/VLE-PPT: 50 ppm
123-42-2	TWA/VLE-PPT: 240 mg/m <sup>3</sup>
	STEL/PPT-CT: 75 ppm
	STEL/PPT-CT: 360 mg/m <sup>3</sup>
Crystalline silica (cristobalite)	TWA/VLE-PPT: 0.05 mg/m <sup>3</sup> respirable fraction
14464-46-1	
2-Butoxyethanol	TWA/VLE-PPT: 26 ppm
111-76-2	TWA/VLE-PPT: 120 mg/m <sup>3</sup>
	STEL/PPT-CT: 75 ppm
	STEL/PPT-CT: 360 mg/m <sup>3</sup>
Quartz, crystalline silica	TWA/VLE-PPT: 0.1 mg/m <sup>3</sup> respirable fraction
14808-60-7	

## Appropriate engineering controls

Engineering Measures	Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.
Individual protection measures	, such as personal protective equipment
Eye/Face Protection	Wear safety glasses with side shields (or goggles). If splashes are likely to occur:. Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.
Skin Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Hand Protection	Chemical resistant protective gloves. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as dimension, color, flexibility.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.
General Hygiene Considera	tions Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with

neral Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties			
Physical State	Liquid	Appearance	Viscous liquid
Odor	Characteristic	Odor Threshold	No information available
Property	<u>Values</u>	Remarks • Method	
рН		No data available	
Melting Point / Freezing Point		No data available	
Boiling Point / Boiling Range	> 149 °C / 300 °F		
Flash Point	52 °C / 125 °F	Setaflash closed cup	
Evaporation rate		No data available	
Flammability Limit in Air			
Upper flammability limit		No data available	
Lower flammability limit		No data available	
Vapor Pressure		No data available	
Vapor Density		No data available	
Specific Gravity	1.18		
Water Solubility		No data available	
Solubility in other solvents		No data available	
Partition coefficient: n-octanol/wat	er	No data available	
Autoignition Temperature	•	No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Rinematic viscosity			

## Dynamic viscosity

Explosive Properties	No data available
<b>Oxidizing Properties</b>	No data available

## **Other Information**

Photochemically Reactive	No
Weight Per Gallon (Ibs/gal)	9.8

VOC by weight %	VOC by volume %	VOC lbs/gal	VOC grams/liter
(less water)	(less water)	(less water)	(less water)
39.83	45.27	3.91	468.17

No data available

## **10. STABILITY AND REACTIVITY**

#### Reactivity

No information available.

## Chemical stability

Stable under normal conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

## Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

#### Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

#### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO2). Carbon monoxide.

## **11. TOXICOLOGICAL INFORMATION**

## Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component	Oral LD50
Dipropylene glycol monomethyl ether 34590-94-8	= 5.35 g/kg (Rat)
Diacetone alcohol 123-42-2	> 4 g/kg (Rat)
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)
Additive	> 3200 mg/kg (Rat)

Component	Dermal LD50
Dipropylene glycol monomethyl ether	= 9500 mg/kg (Rabbit)
34590-94-8	
Diacetone alcohol	= 13630 mg/kg (Rabbit)
123-42-2	
Propylene glycol monomethyl ether	= 13 g/kg (Rabbit)
107-98-2	
2-Butoxyethanol	= 435 mg/kg(Rabbit)
111-76-2	· ·

Symptoms

Component	Inhalation LC50
Diacetone alcohol	> 7.23 g/m³(Rat)8 h
123-42-2	
Propylene glycol monomethyl ether	> 7559 ppm (Rat)6 h
107-98-2	
2-Butoxyethanol	= 450 ppm (Rat)4 h
111-76-2	= 486 ppm (Rat) 4 h
Additive	> 5.3 mg/L (Rat)6 h

Specific test data for the substance or mixture is not available.

## Information on toxicological effects

Skin corrosion/irritation		stance or mixture is not available.
Eye damage/irritation	(based on components).	stance or mixture is not available. Causes serious eye irritation
Irritation		stance or mixture is not available.
Corrosivity		stance or mixture is not available.
Sensitization	Specific test data for the sub reaction. (based on compon	stance or mixture is not available. May cause an allergic skin ents).
Mutagenic Effects	Specific test data for the sub	stance or mixture is not available.
Carcinogenic effects	Specific test data for the sub	stance or mixture is not available.
Reproductive Effects	Specific test data for the sub	stance or mixture is not available.
STOT - single exposure	Specific test data for the sub	stance or mixture is not available.
STOT - repeated exposure	Specific test data for the sub	stance or mixture is not available. Causes damage to organs
	through prolonged or repeat	ed exposure. (based on components).
Chronic Toxicity	Specific test data for the sub	stance or mixture is not available
Aspiration hazard	Specific test data for the sub	stance or mixture is not available.
Carcinogenicity	The table below indicates wi	nether each agency has listed any ingredient as a carcinogen.
Component		ACGIH
Crystalline silica (cristobalite) 14464-46-1		A2
2-Butoxyethanol 111-76-2		A3
Quartz, crystalline silica 14808-60-7		A2
Component		IARC
Crystalline silica (cristobalite) 14464-46-1		Group 1
Quartz, crystalline silica 14808-60-7		Group 1
Component		NTP
Crystalline silica (cristobalite) 14464-46-1		Known
Quartz, crystalline silica 14808-60-7		Known
Component		OSHA
Crystalline silica (cristobalite) 14464-46-1		X
Quartz, crystalline silica 14808-60-7		X

## Numerical measures of toxicity - Product Information

Unknown Acute Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

## The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	28,920.00 mg/kg
ATEmix (dermal)	63,624.00 mg/kg
ATEmix (inhalation-dust/mist)	86.80 mg/l
ATEmix (inhalation-vapor)	636.00 mg/l

## **12. ECOLOGICAL INFORMATION**

## Ecotoxicity

Specific test data for the substance or mixture is not available.

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Fish
Dipropylene glycol monomethyl ether 34590-94-8	96h LC50 Pimephales promelas: > 10000 mg/L (static)
	96h LC50 Lepomis macrochirus: = 420 mg/L (static) 96h LC50 Lepomis macrochirus: = 420 mg/L
Propylene glycol monomethyl ether 107-98-2	96h LC50 Pimephales promelas: = 20.8 g/L (static)
	96h LC50 Lepomis macrochirus: = 2950 mg/L 96h LC50 Lepomis macrochirus: = 1490 mg/L (static)
Additive	96h LC50 Pimephales promelas: > 1.55 mg/L (static)

Component	Crustacea
Dipropylene glycol monomethyl ether	48h LC50 Daphnia magna: = 1919 mg/L
34590-94-8	
Propylene glycol monomethyl ether	48h EC50 Daphnia magna: = 23300 mg/L
107-98-2	
2-Butoxyethanol	48h EC50 Daphnia magna: > 1000 mg/L
111-76-2	
Additive	48h EC50 Daphnia magna: > 1.46 mg/L

## Persistence and Degradability

No information available.

## **Bioaccumulation**

No information available

Component	Partition coefficient
Dipropylene glycol monomethyl ether	-0.064
34590-94-8	
Diacetone alcohol	1.03
123-42-2	
Propylene glycol monomethyl ether	-0.437
107-98-2	
2-Butoxyethanol	0.81
111-76-2	

## Other adverse effects

No information available

## **13. DISPOSAL CONSIDERATIONS**

# Waste treatment methods Contain and dispose of waste according to local regulations.

Contaminated Packaging Em

Empty containers should be taken to an approved waste handling site for recycling or disposal.

	14. TRANSPORT INFORMATION
Note:	This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.
DOT UN/ID no. Proper Shipping Name Hazard Class	In the U.S. and Canada, this material may be reclassified as a combustible liquid and is not regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150 (f)] [per Transportation of Dangerous Goods Regulations/Clear Language Part 1.33]. UN1210 Printing Ink 3
Packing Group ICAO / IATA / IMDG / IMO UN/ID no. Proper Shipping Name Hazard Class Packing Group	III UN1210 Printing Ink 3 III

## 15. REGULATORY INFORMATION

## International Inventories

All components are listed on the TSCA Inventory. For further information, please contact:. Supplier (manufacturer/importer/downstream user/distributor).

## U.S. Federal Regulations

## SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Component	CAS-NO	weight %	Values
2-Butoxyethanol	111-76-2	1 - 5	1.0

## Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

## U.S. State Regulations

	Massachusetts Right To Know
Dipropylene glycol monomethyl ether 34590-94-8	x
Diacetone alcohol 123-42-2	X
Crystalline silica (cristobalite) 14464-46-1	X
Propylene glycol monomethyl ether 107-98-2	X
2-Butoxyethanol 111-76-2	X
Quartz, crystalline silica 14808-60-7	X

Component	Minnesota Right To Know	
Dipropylene glycol monomethyl ether 34590-94-8	X	
Diacetone alcohol 123-42-2	X	
Crystalline silica (cristobalite) 14464-46-1	X	
Propylene glycol monomethyl ether 107-98-2	X	
2-Butoxyethanol 111-76-2	X	
Quartz, crystalline silica 14808-60-7	X	

Component	New Jersey Right To Know
Dipropylene glycol monomethyl ether 34590-94-8	X
Diacetone alcohol 123-42-2	x
Crystalline silica (cristobalite) 14464-46-1	x
Propylene glycol monomethyl ether 107-98-2	x
2-Butoxyethanol 111-76-2	X
Quartz, crystalline silica 14808-60-7	X

	Pennsylvania Right To Know
Dipropylene glycol monomethyl ether 34590-94-8	X
Diacetone alcohol 123-42-2	X
Crystalline silica (cristobalite) 14464-46-1	x
Propylene glycol monomethyl ether 107-98-2	x
2-Butoxyethanol 111-76-2	X
Quartz, crystalline silica 14808-60-7	x

<u>California Prop. 65</u> This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

Component	California Prop. 65
Quartz, crystalline silica	Carcinogen
- This product contains crystalline silica (quartz) in a non-respirable for	orm. Inhalation of crystalline silica is unlikely to occur from exposure to

crystalline silica (quartz) in a non-respi crysta cely to expo this product

## <u>Canada</u>

Component	NPRI - National Pollutant Release Inventory
Dipropylene glycol monomethyl ether 34590-94-8	Part 5, Other Groups and Mixtures; Part 4 Substance
Diacetone alcohol 123-42-2	Part 4 Substance
Propylene glycol monomethyl ether 107-98-2	Part 5, Other Groups and Mixtures; Part 4 Substance
2-Butoxyethanol 111-76-2	Part 5, Individual Substances; Part 4 Substance

16. OTHER INFORMATION				
HMIS:	Health 2 *	Flammability 2	<b>Reactivity</b> 0	Personal Protection X
Key or legend to abbrev	viations and acrony	ms used in the safety d	ata sheet	
Legend- Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONTWATWA (time-weighted average)STELSTEL (Short Term Exposure Limit)CeilingMaximum limit value				
ACGIH: (American Conference of Governmental Industrial Hygienists)         A1 - Known Human Carcinogen         A2 - Suspected Human Carcinogen         A3 - Animal Carcinogen         IARC: (International Agency for Research on Cancer)         Group 1 - Carcinogenic to Humans         Group 2A - Probably Carcinogenic to Humans         NTP: (National Toxicity Program)         Known - Known Carcinogen         Reasonably Anticipated to be a Human Carcinogen         OSHA: (Occupational Safety & Health Administration)         X - Present				
Revision Date	May-15-201	9		

#### Pursuant to NOM-018-STPS-2015

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

#### End of Safety Data Sheet