

This safety data sheet was created pursuant to the requirements of: GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

SOFT PLASTIC Revision Number 1.01 Revision date 14-May-2024 Supersedes Date: 06-Jul-2023

## Section 1: Identification

**Product identifier** 

Product Name SOFT PLASTIC

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use Adhesives

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier

Bostik New Zealand Limited 19 Eastern Hutt Road Wingate, Lower Hutt, New Zealand

Tel: 04-567 5119 Fax: 04-567 5412

E-mail address SDS.AP@Bostik.com

Emergency telephone number

Emergency Telephone 24 Hr: 0800 243 622

International +64 4 917 9888 Poison Centre: 0800 764 766

## Section 2: Hazard identification

#### **GHS Classification**

Flammable liquids	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3

#### Label elements





# **Signal word** Danger

### **Hazard statements**

H225 - Highly flammable liquid and vapor

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

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#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

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

Use only outdoors or in a well-ventilated area

Ground and bond container and receiving equipment

Use non-sparking tools

Take action to prevent static discharges

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

Keep container tightly closed

Wear protective gloves/clothing and eye/face protection

Keep cool

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Eves

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing

If eye irritation persists: Get medical advice/attention

Skir

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor if you feel unwell

Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Precautionary Statements - Storage** 

Store in a well-ventilated place. Keep container tightly closed

Store locked up

**Precautionary Statements - Disposal** 

Dispose of contents/container to an approved waste disposal plant

#### Other hazards which do not result in classification

In use, may form flammable/explosive vapor-air mixture.

### Section 3: Composition/information on ingredients

Chemical name	CAS No.	Weight-%
Methyl acetate	79-20-9	30 - 60
Acetone	67-64-1	30 - 60
Methyl ethyl ketone	78-93-3	10 - <30
	•	

Non-hazardous ingredients	Proprietary	Balance

## Section 4: First-aid measures

## Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

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Remove all sources of ignition. Ensure that medical personnel are aware of the Self-protection of the first aider

material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more

information. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

**Symptoms** May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

**Effects of Exposure** No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: Fire-fighting measures

Hazchem code •3YE

Suitable Extinguishing Media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Hazardous combustion products** Carbon oxides.

Special protective actions for fire-fighters

precautions for fire-fighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear.

### Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled

material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

**Environmental precautions** 

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or

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spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A

vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand

or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### Section 7: Handling and storage

#### Precautions for safe handling

heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

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

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from

heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the

particular national regulations. Store in accordance with local regulations.

Recommended storage

temperature

Keep at temperatures between  $\,$  41 and 77  $^{\circ}\text{F}$  / 5 and 25  $^{\circ}\text{C}.$ 

**Incompatible materials**None known based on information supplied.

## Section 8: Exposure controls/personal protection

### **Control parameters**

### **Exposure Limits**

Chemical name	New Zealand	ACGIH TLV	United Kingdom	Australia
Methyl acetate	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
79-20-9	TWA: 606 mg/m <sup>3</sup>	STEL: 250 ppm	TWA: 616 mg/m <sup>3</sup>	TWA: 606 mg/m <sup>3</sup>
	STEL: 250 ppm		STEL: 250 ppm	STEL: 250 ppm
	STEL: 757 mg/m <sup>3</sup>		STEL: 770 mg/m <sup>3</sup>	STEL: 757 mg/m <sup>3</sup>
Acetone	TWA: 500 ppm	TWA: 250 ppm	TWA: 500 ppm	TWA: 500 ppm

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67-64-1	TWA: 1185 mg/m <sup>3</sup>	STEL: 500 ppm	TWA: 1210 mg/m <sup>3</sup>	TWA: 1185 mg/m <sup>3</sup>
	STEL: 1000 ppm		STEL: 1500 ppm	STEL: 1000 ppm
	STEL: 2375 mg/m <sup>3</sup>		STEL: 3620 mg/m <sup>3</sup>	STEL: 2375 mg/m <sup>3</sup>
Methyl ethyl ketone	TWA: 150 ppm	TWA: 75 ppm	TWA: 200 ppm	TWA: 150 ppm
78-93-3	TWA: 445 mg/m <sup>3</sup>	STEL: 150 ppm	TWA: 600 mg/m <sup>3</sup>	TWA: 445 mg/m <sup>3</sup>
	STEL: 300 ppm	Sk*	STEL: 300 ppm	STEL: 300 ppm
	STEL: 890 mg/m <sup>3</sup>		STEL: 899 mg/m <sup>3</sup>	STEL: 890 mg/m <sup>3</sup>
	_		Sk*	-

## **Biological occupational exposure**

Chemical name	New Zealand	ACGIH
Acetone	50 mg/L - urine (Acetone) - end of shift	25 mg/L - urine (Acetone) - end of shift
67-64-1		
Methyl ethyl ketone	2 mg/L - urine (MEK) - end of shift	2 mg/L - urine (MEK) - end of shift
78-93-3		

### Appropriate engineering controls

Showers **Engineering controls** 

Eyewash stations Ventilation systems.

### Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

## Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid Viscous **Appearance** Color Clear Odor

Characteristic.

**Odor threshold** No information available

**Property Values** Remarks • Method

No data available Not applicable Insoluble in water рΗ Melting point / freezing point = -94 °C (based on components) acetone = 56.1 °C Initial boiling point and boiling (based on components) acetone

range

= -4 °C Flash point (based on components) Methyl ethyl ketone

**Evaporation rate** No data available None known **Flammability** No data available Flammable liquid

Flammability Limit in Air (based on components) Methyl ethyl ketone,

Methyl alcohol

Upper flammability or explosive 11.5

Lower flammability or explosive 1.8

limits

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Vapor pressure<110 kPa</th>None knownRelative vapor densityNo data availableNone knownRelative density0.85None knownWater solubilityPartially solubleNone known

Relative density
Water solubility
Partially soluble
None known
Solubility(ies)
No data available
None known
Partition coefficient
No data available
None known
Autoignition temperature
No data available
None known
Decomposition temperature
No data available
None known
None known
None known
None known
None known

Kinematic viscosity

Dynamic viscosity

Sexplosive properties

Oxidizing properties

No data available

1 3600 4400 mPa s

No information available.

No information available.

Other information

Softening point
Molecular weight
VOC content
Liquid Density
Bulk density
No information available
No information available
No information available
No information available

**Particle characteristics** 

## Section 10: Stability and reactivity

Reactivity

**Reactivity** No information available.

**Chemical stability** 

**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

**Conditions to avoid** Heat, flames and sparks.

**Incompatible materials** 

**Incompatible materials**None known based on information supplied.

**Hazardous decomposition products** 

Hazardous decomposition Carbon oxides.

products

## Section 11: Toxicological information

## **Acute toxicity**

Information on likely routes of exposure

**Product Information** 

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

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respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may

cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

**Numerical measures of toxicity** 

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

 ATEmix (oral)
 >5000 mg/kg

 ATEmix (dermal)
 >5000 mg/kg

 ATEmix (inhalation-gas)
 >20000 ppm

 ATEmix (inhalation-vapor)
 >20 mg/l

 ATEmix (inhalation-dust/mist)
 >5 mg/l

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl acetate	>5 g/kg (Rattus)	> 5 g/kg (Oryctolagus	>49000 mg/m³ (Rattus) 4 h
		cuniculus)	
Acetone	=5800 mg/kg (Rattus)	>15800 mg/Kg (Rattus)	=79 mg/I(Rattus) 4 h
	3000 mg/Kg (mouse)		-
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus	=11700 ppm (Rattus) 4 h
		cuniculus)	

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

## Component Information

Acetone (67-64-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			irritant
Acute Eye		·			
Irritation/Corrosion					

Methyl ethyl ketone (78-93-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			irritant
Acute Eye					
Irritation/Corrosion					

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

**Carcinogenicity** No information available.

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Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause drowsiness or dizziness.

Narcotic effects Narcotic effects.

STOT - repeated exposure Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## Section 12: Ecological information

**Ecotoxicity** 

**Ecotoxicity** 

**Aquatic ecotoxicity** 

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

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methyl acetate	EC50: >120mg/L (72h,	LC50: 295 - 348mg/L (96h,	EC50: =1026.7mg/L (48h, Daphnia
-	Desmodesmus subspicatus)	Pimephales promelas) LC50: 250 -	magna)
		350mg/L (96h, Brachydanio rerio)	
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L	EC50 48 h 10294 - 17704 mg/L
		(Oncorhynchus mykiss)	(Daphnia magna Static)
Methyl ethyl ketone	EC50=1972 mg/l	LC50: 3130 - 3320mg/L (96h,	EC50 48 h > 308 mg/L (Daphnia
, ,	(Pseudokirchneriella subcapitata)	Pimephales promelas)	magna )

### **Terrestrial ecotoxicity**

Chemical name	Earthworm	Avian	Honeybees
Acetone	Acute Toxicity: LC50 200 -	Dietary Toxicity: LC50 >	-
	1000 µg/cm2 (Eisenia foetida,	40000 ppm (Phasianus	
	48 h filter paper)	colchicus, 5 Days)	
		Dietary Toxicity: LC50 >	
		40000 ppm (Coturnix coturnix	
		japonica, 5 Days)	

Persistence and degradability No information available.

Bioaccumulative potential **Bioaccumulation** 

**Component Information** 

Chemical name	Partition coefficient
Methyl acetate	0.18
Acetone	-0.24
Methyl ethyl ketone	0.3

Mobility in soil

No information available. Mobility

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#### Other adverse effects

No information available.

## Section 13: Disposal considerations

#### Disposal methods

# Waste from residues/unused products

Dispose of product in packaging in a way that is consistent with the EPA Consolidation 30 April 2021 of the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste. Flammable substances - may not be disposed of into or onto a landfill or sewage facility.

They may only be burnt in certain situations.

Flammable gases, liquids and solids may only be discharged into the environment or landfill as waste if the substance will not at any time come into contact with any explosives, oxidising gases, liquids or solids or organic peroxides; and there will be no ignition source in the vicinity of the disposal site at any time and if the substance were to ignite, no person, or place where a person may legally be, would be exposed to an unsafe level of heat radiation. Substances which are hazardous to human health or corrosive to metals – may be discharged into the environment if a tolerable exposure limit has been set for the substance (or a component of that substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the tolerable exposure limit. If there is no tolerable exposure limit for the substance, then it may only be discharged into the environment if the substance is very rapidly converted to substances that are not hazardous substances.

## Contaminated packaging

For packages that have been in direct contact with hazardous substances, the person must ensure that the package is rendered incapable of containing any substance. It must be disposed of in a manner that is consistent with the requirements for disposal of the substance that it contained, taking into account the material the package is manufactured from. Packages may only be reused or recycled if:

- the substance has a physical hazard other than corrosive to metal, and has been treated to remove any residual contents of the hazardous substance;
- or for substances that have a health or environmental hazard, or corrosive to metal, the contents of the residue in the package are below the threshold for the substance to be classified as hazardous in the Hazardous Substances (Hazard Classification) Notice 2020.

### Section 14: Transport information

Hazchem code •3YE

IATA

UN number or ID number UN1133 UN proper shipping name Adhesives

Transport hazard class(es) 3
Packing group II
Special Provisions A3

**Description** UN1133, Adhesives, 3, II

**IMDG** 

UN number or ID number UN1133 UN proper shipping name Adhesives

Transport hazard class(es)

Packing group

EmS-No.

F-E, S-D

Marine pollutant

NP

**Description** UN1133, Adhesives, 3, II, (-4°C c.c.)

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## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

**ADR** 

UN number or ID number UN1133 UN proper shipping name Adhesives

Transport hazard class(es) Labels 3 **Packing group** Ш

UN1133, Adhesives, 3, II, (D/E) Description

**Environmental hazards** No Limited quantity (LQ) 5 L 640D **Special Provisions** Classification code F1 (D/E) **Tunnel restriction code** 

### Section 15: Regulatory information

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

EPA New Zealand HSNO approval HSR002662 - Surface Coatings and Colourants (Flammable)

code or group standard

**National regulations** 

There are no applicable tolerable exposure limits or environmental exposure limits

according to the EPA Controls for Hazardous Substances

Certified handlers, tracking and controlled substance license

requirements

Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information

Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please

check the Health and Safety at Work Act 2015 for further information

Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017

for more information

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

#### **SVHC: Substances of Very High Concern for Authorization:**

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 16: Other information

**Revision date** 14-May-2024 **Revision Note** 

<sup>\*\*\*</sup>Indicates updated data since last publication.

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#### Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity ATE: Acute Toxicity Estimate LC50: 50% Lethal Concentration LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Sk\* Skin designation

\*\* Hazard Designation + Sensitizers

C Carcinogen

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA) Environmental Protection Agency

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

#### **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**