# SAFETY DATA SHEET



Revision date 03-Jan-2023

**Revision Number** 1

# 1. Identification

Product identifier

Product Name E-PASSivate Yellow Red A

Other means of identification

Product Code(s) EPI-0202C

UN number or ID number UN1760

Synonyms None

### Details of the supplier of the safety data sheet

### **Manufacturer Address**

Electrochemical Products Inc. 17000 West Lincoln Ave New Berlin, WI 53151 Phone: 262-786-9330 E-mail: us-sales@epi.com

www.epi.com Fax: 262-786-9403

Emergency telephone number

Emergency Telephone NCEC (#EPI-29003) +1 202 464 2554, +44 1865 407333

# 2. Hazard(s) identification

# Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B

# Hazards not otherwise classified (HNOC)

Not applicable

# Label elements

### Danger

### Hazard statements

Causes severe skin burns and eye damage

Harmful if inhaled

May cause allergy or asthma symptoms or breathing difficulties if inhaled

\_\_\_\_\_

#### EPI-0202C - E-PASSivate Yellow Red A

May cause an allergic skin reaction Suspected of causing genetic defects

May cause cancer

May damage fertility or the unborn child



Appearance Blue-Green Solution

Physical state Liquid

Odor sharp/acidic

### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

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

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear respiratory protection

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing must not be allowed out of the workplace

#### **Precautionary Statements - Response**

IF exposed or concerned:

Immediately call a POISON CENTER or doctor

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

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

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

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

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

# **Precautionary Statements - Storage**

Store locked up

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

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### Other information

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

# 3. Composition/information on ingredients

# **Substance**

Not applicable.

### Mixture

Chemical name	CAS No	Weight-%	Trade secret
Water	7732-18-5	70-85	*
Chromium(III) nitrate	13548-38-4	7-10	*
Nitric acid	7697-37-2	3-6	*
Trade secret	Trade secret	1-3	*

\_\_\_\_\_\_

Trade secret	Trade secret	1-3	*
Cobalt sulfate	10124-43-3	0-2	*

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

# 4. First-aid measures

### **Description of first aid measures**

General advice IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the

doctor in attendance.

**Inhalation** If breathing has stopped, give artificial respiration. Get medical attention immediately.

Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. If symptoms persist, call a physician. Delayed pulmonary edema may occur. May cause allergic respiratory reaction. Avoid direct contact with skin. Use barrier to

give mouth-to-mouth resuscitation.

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 immediate medical advice/attention.

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

clothes and shoes. Get immediate medical advice/attention. May cause an allergic skin

reaction.

**Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person. Get immediate medical

advice/attention. May produce an allergic reaction.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Do not breathe vapor or mist. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. 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 Coughing and/ or wheezing. Difficulty in breathing. Burning sensation. May cause allergy or

asthma symptoms or breathing difficulties if inhaled. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians Product is a corrosive material. Use of gastric lavage or emesis is contraindicated.

Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause

sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

surrounding environment.

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 The product causes burns of eyes, skin and mucous membranes. Thermal decomposition

**chemical** can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May

cause sensitization by inhalation and skin contact. May cause sensitization by skin contact.

**Explosion data** 

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for

fire-fighters

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

gear. Use personal protection equipment.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not breathe vapor

or mist. Use personal protective equipment as required. Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak. Attention! Corrosive material.

**Other information** Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**Pick up and transfer to properly labeled containers.

# 7. Handling and storage

#### Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate

exhaust ventilation. Do not eat, drink or smoke when using this product. Take off

contaminated clothing and wash before reuse. Provide extract ventilation to points where

emissions occur. Remove contaminated clothing and shoes.

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

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Keep out of the reach of children. Protect from moisture. Store away from other materials.

# 8. Exposure controls/personal protection

### Control parameters

### **Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Chromium(III) nitrate	-	TWA: 0.5 mg/m <sup>3</sup> Cr	IDLH: 25 mg/m <sup>3</sup> Cr(III)
13548-38-4		(vacated) TWA: 0.5 mg/m <sup>3</sup> Cr	TWA: 0.5 mg/m <sup>3</sup> Cr
Nitric acid	STEL: 4 ppm	TWA: 2 ppm	IDLH: 25 ppm
7697-37-2	TWA: 2 ppm	TWA: 5 mg/m <sup>3</sup>	TWA: 2 ppm
		(vacated) TWA: 2 ppm	TWA: 5 mg/m <sup>3</sup>
		(vacated) TWA: 5 mg/m <sup>3</sup>	STEL: 4 ppm

		(vacated) STEL: 4 ppm (vacated) STEL: 10 mg/m³	STEL: 10 mg/m <sup>3</sup>
Cobalt sulfate	TWA: 0.02 mg/m³ Co inhalable	-	-
10124-43-3	particulate matter		

# **Biological occupational exposure limits**

Chemical name	ACGIH
Cobalt sulfate	15 μg/L - urine (Cobalt) - end of shift at end of workweek
10124-43-3	

### **Appropriate engineering controls**

Engineering controls Showers

Eyewash stations Ventilation systems.

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

**Eye/face protection** Tight sealing safety goggles. Face protection shield.

**Hand protection** Wear suitable gloves. Impervious gloves.

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

Respiratory protection When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators.

General hygiene considerations Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Wear suitable

gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. 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.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid

Appearance Blue-Green Solution

Color blue/green Odor sharp/acidic

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

0 - 1.6 None known No data available Melting point / freezing point None known 104.4 °C / 219.9 °F Boiling point / boiling range None known Flash point No data available Not applicable Relative density 1.05 - 1.15 None known Water solubility Complete None known

Other information

VOC Content (%)

# 10. Stability and reactivity

**Reactivity** No information available.

#### EPI-0202C - E-PASSivate Yellow Red A

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

**Conditions to avoid** Excessive heat. Exposure to air or moisture over prolonged periods.

**Incompatible materials** Acids. Bases. Oxidizing agent.

Hazardous decomposition products None known based on information supplied.

# 11. Toxicological information

#### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on

components). Corrosive by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. May cause sensitization in susceptible

persons.

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

damage. (based on components). Corrosive to the eyes and may cause severe damage

including blindness. May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. Corrosive. (based on

components). Causes burns. Repeated or prolonged skin contact may cause allergic

reactions with susceptible persons. May cause sensitization by skin contact.

**Ingestion** Specific test data for the substance or mixture is not available. Causes burns. (based on

components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. May cause additional

affects as listed under "Inhalation".

# Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Coughing and/ or wheezing. Difficulty in breathing. Redness. Burning. May cause

blindness. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle

pain, or flushing. Itching. Rashes. Hives.

#### **Acute toxicity**

#### **Numerical measures of toxicity**

No information available

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

ATEmix (oral) 13,939.80 mg/kg
ATEmix (dermal) 42,500.00 mg/kg
ATEmix (inhalation-dust/mist) 0.086 mg/l
ATEmix (inhalation-vapor) 55.40 mg/l

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water	> 90 mL/kg (Rat)	-	-

7732-18-5			
Chromium(III) nitrate 13548-38-4	= 3250 mg/kg (Rat)	-	-
Nitric acid 7697-37-2	-	-	= 2500 ppm (Rat) 1 h
Trade secret	= 1450 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Trade secret	= 3 g/kg ( Rat )	> 2000 mg/kg (Rat)	-
Cobalt sulfate 10124-43-3	= 424 mg/kg ( Rat )	-	-

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

**Skin corrosion/irritation**Classification based on data available for ingredients. Causes burns.

Serious eye damage/eye irritation Classification based on data available for ingredients. Risk of serious damage to eyes.

Causes burns.

**Respiratory or skin sensitization** May cause sensitization by inhalation. May cause sensitization by skin contact.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for

ingredients. Suspected of causing genetic defects.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Chromium(III) nitrate	-	Group 3	-	X
13548-38-4				
Nitric acid	-	Group 2A	-	X
7697-37-2		Group 1		
Cobalt sulfate	-	Group 2B	Reasonably Anticipated	X
10124-43-3		•	•	

# Legend

### IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)** 

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Reproductive toxicity**Contains a known or suspected reproductive toxin. Classification based on data available

for ingredients. May damage fertility or the unborn child.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

**Target organ effects** Respiratory system, Eyes, Skin, Teeth.

**Aspiration hazard** No information available.

Other adverse effects No information available.

No information available. Interactive effects

# 12. Ecological information

Toxic to aquatic life. Toxic to aquatic life with long lasting effects. **Ecotoxicity** 

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Trade secret	-	LC50: =14.2mg/L (96h,	-	-
		Pimephales promelas)		
Trade secret	-	LC50: =1516mg/L (96h,	-	-
		Lepomis macrochirus)		
Cobalt sulfate	EC50: 0.4 - 72mg/L (72h,	-	-	-
10124-43-3	Pseudokirchneriella			
	subcapitata)			

Persistence and degradability No information available.

There is no data for this product. **Bioaccumulation** 

**Component Information** 

Chemical name	Partition coefficient
Nitric acid 7697-37-2	-2.3
Trade secret	-1.72

Other adverse effects No information available.

# 13. Disposal considerations

Waste treatment methods

Waste from residues/unused

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

# 14. Transport information

DOT

products

UN number or ID number UN1760

Proper shipping name Corrosive liquids, n.o.s.

Transport hazard class(es) Packing group

Reportable Quantity (RQ)

(Nitric acid: RQ (kg)= 454.00) Nitric acid: RQ (lb)= 1000.00

DOT reportable quantity kg Nitric acid: RQ (kg)= 9080.00

(calculated)

**DOT Reportable Quantity lbs.** Nitric acid: RQ (lb)= 20000.00

(calculated)

Special Provisions B2, IB2, T11, TP2, TP27

DOT Marine Pollutant

Marine pollutant Cobalt sulfate, Nitric acid

**Description** UN1760, Corrosive liquids, n.o.s. (Nitric acid), 8, II, Marine pollutant (Cobalt sulfate, Nitric

acid)

**Emergency Response Guide** 

Number

154

**TDG** 

UN number or ID number UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group II
Special Provisions 16

Marine pollutant Cobalt sulfate, Nitric acid.

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II

MEX

**UN number or ID number** UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group | |

Technical Name Nitric acid

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II

Special Provisions 274

ICAO (air)

**UN number or ID number** UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group |

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II

Special Provisions A3

<u>IATA</u>

UN number or ID number UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group |

Technical Name Nitric acid

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II

Special Provisions A3, A803 ERG Code 8L

<u>IMDG</u>

UN number or ID number UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group II
EmS-No F-A, S-B
Special Provisions 274
Marine pollutant P

Marine Pollutant Cobalt sulfate

Description UN1760, Corrosive liquid, n.o.s. (Nitric acid, Cobalt sulfate), 8, II, Marine pollutant

<u>RID</u>

UN number or ID number UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group II
Classification code C9
Special Provisions 274

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II, Environmentally Hazardous

**ADR** 

UN number or ID number UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group II
Classification code C9
Tunnel restriction code (E)
Special Provisions 274

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II, (E), Environmentally Hazardous

**ADN** 

UN number or ID number UN1760

**UN proper shipping name** Corrosive liquid, n.o.s.

Transport hazard class(es) 8
Packing group II
Classification code C9
Special Provisions 274

**Description** UN1760, Corrosive liquid, n.o.s. (Nitric acid), 8, II, Environmentally Hazardous

Equipment Requirements PP, EP

# 15. Regulatory information

#### **International Inventories**

TSCA Complies

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active
			designation
Water	7732-18-5	Present	Active
Chromium(III) nitrate	13548-38-4	Present	Active
Nitric acid	7697-37-2	Present	Active
Trade secret	-	Present	Active
Trade secret	-	Present	Active
Cobalt sulfate	10124-43-3	Present	Active
Trade secret	-	Present	Active

DSL/NDSL Complies
EINECS/ELINCS Complies
ENCS Complies
IECSC Complies
KECL Complies
PICCS Complies
AICS Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### **US Federal Regulations**

# **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Nitric acid 7697-37-2	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

### **US State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65	
Cobalt sulfate - 10124-43-3	Carcinogen	

#### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water	-	-	X
7732-18-5			
Chromium(III) nitrate	X	-	X
13548-38-4			
Nitric acid	X	-	X
7697-37-2			
Trade secret	X	-	-
Cobalt sulfate	X	-	X
10124-43-3			
Trade secret	-	-	X

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

# 16. Other information

Health hazards 4 Instability 0 Special hazards -NFPA\_ Flammability 3 **HMIS** Health hazards 2 \* Flammability 3 Physical hazards 0 Personal protection X \* = Chronic Health Hazard

Chronic Hazard Star Legend

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

Legend Section 8: Exposure controls/personal protection

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

Maximum limit value Skin designation Ceiling

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)

EPA (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)

Japan GHS Classification

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)

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

**Revision date** 03-Jan-2023

**Revision Note** No information available.

**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**