

Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

# SAFETY DATA SHEET

## 1. Identification

Product identifier: ACRIFIX® 1R 0192

#### Other means of identification

Recommended use: For use in industrial installations or professional treatment only. polymerising adhesive for PLEXIGLAS®

**Recommended restrictions:** Product not intended for consumers Applications where liquid monomer is intended to come into contact with skin or nails.

## Manufacturer/Importer/Distributor Information

Company Name : Röhm GmbH

Product Stewardship Deutsche-Telekom-Allee 9

64295 Darmstadt

Telephone : +49 6151 863 7542

E-mail : sds-info@roehm.com

#### Manufacturer

**Emergency telephone number:** 

24-Hour Health : +49 6241 402 5280 (24h)

Emergency

# 2. Hazard(s) identification

## **According to Hazardous Products Regulations**

# **Physical Hazards**

Flammable liquids Category 2

# **Health Hazards**

Acute toxicity (Inhalation - vapor)

Skin Corrosion/Irritation

Skin sensitizer

Specific Target Organ Toxicity 
Category 5

Category 2

Category 1

Category 3<sup>1</sup>

Single Exposure

# **Target Organs**

1. Respiratory tract irritation.

#### **Environmental Hazards**

Acute hazards to the aquatic Category 3

environment

#### **Label Elements**

#### **Hazard Symbol:**

1/15 REG\_GHS 2021-01-08



Issue Date: 25.03.2019 Last revised date: 27.03.2020

Supersedes Date: 18.12.2019



||Signal Word: Danger

Hazard Statement: Highly flammable liquid and vapor.

May be harmful if inhaled. Causes skin irritation.

May cause an allergic skin reaction. May cause respiratory irritation.

Harmful to aquatic life.

**Precautionary Statements** 

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Keep container tightly closed. Ground and bond

container and receiving equipment. Use explosion-proof

[electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take

action to prevent static discharges. Avoid breathing

dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear

protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse

> skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Rinse skin with water [or shower]. Take off contaminated clothing and wash it before reuse. In case of fire: Use foam to

extinguish.

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

up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal

facility in accordance with applicable laws and regulations, and product

characteristics at time of disposal.

Other hazards: Polymerization with heat evolution may occur in the presence of

radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Take precautionary measures against static

discharges.

## 3. Composition/information on ingredients

#### **Mixtures**



Issue Date: 25.03.2019 Last revised date: 27.03.2020

Supersedes Date: 18.12.2019

3/15

#### Solution of an acrylic polymer in methyl methacrylate

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
methyl methacrylate	methyl 2-methylprop- 2-enoate	80-62-6	60 - <100%
Bis(isopropyl) thioperoxydicarbonate		105-65-7	0,1 - <1%
diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide		75980-60-8	0,1 - <1%
Pentaerythritol tetra(mercaptoacetate)	3-[(2- sulfanylacetyl)oxy]- 2,2-bis({[(2- sulfanylacetyl)oxy]me thyl})propyl 2- sulfanylacetate	10193-99-4	0,01 - <0,1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

## Description of necessary first-aid measures

General information: First aider needs to protect himself. Take off all contaminated clothing

> immediately. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of

its vapours.

Inhalation: Move subject to fresh air and keep him calm. See a physician. If

respiratory problems, artificial respiration/oxygen.

**Skin Contact:** Wash off immediately with soap and water. If skin irritation occurs

consult a physician. Take off all contaminated clothing immediately.

Wash clothing before reuse.

Eye contact: Keeping the eyelids apart flush thoroughly with water immediately. If

irritation persists, contact a physician.

Ingestion: Do not induce vomiting and seek medical advice immediately. Never

give anything by mouth to an unconscious person.

Personal Protection for First-

aid Responders:

Wear self-contained breathing apparatus.

#### Most important symptoms/effects, acute and delayed

Symptoms: Headache. confusion Causes skin and eye irritation. Skin

sensitizer

Hazards: May be harmful if inhaled.

# Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

2021-01-08 REG GHS



Issue Date: 25.03.2019 Last revised date: 27.03.2020

Supersedes Date: 18.12.2019

## 5. Fire-fighting measures

**General Fire Hazards:** Standard procedure for chemical fires. Use extinguishing measures that are

appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Prevent fire extinguishing water from

contaminating surface water or the ground water system.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

foam Dry chemical.

Unsuitable extinguishing

media:

High volume water jet

Specific hazards arising from

the chemical:

May be released in case of fire: carbon monoxide, carbon dioxide, sulphur

oxides, organic products of decomposition.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. In the event of fire, cool the endangered containers with

water. When heated above the flash point and/or during spraying (atomizing), ignitible mixtures may form in air. Use only explosion-proof

equipment.

Special protective equipment

for fire-fighters:

Wear self-contained breathing apparatus.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Evacuate personnel to safe areas. Assure sufficient ventilation. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Avoid contact with eyes, skin, and clothing. Use personal protective clothing. Keep away sources of ignition. Do not breathe vapours or spray mist. Wash hands

thoroughly with soap and water after handling.

For emergency responders: Observe regulations on prevention of water pollution (check, dam up, cover

up).

Methods and material for containment and cleaning

up:

Larger quantities: Remove mechanically (by pumping). Use explosion-proof equipment! Smaller quantities and/or residues: Contain with absorbent material (e.g. sand, diatomaceous earth, acid absorbent, universal absorbent or sawdust). Dispose of in accordance with regulations.

**Environmental Precautions:** Prevent product from getting into drains/surface water/groundwater. If the

product contaminates rivers and lakes or drains inform respective

authorities.



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

# 7. Handling and storage

## Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment. Keep container tightly closed. Provide sufficient ventilation and exhaust at the workplace. Do not inhale exhaust fumes, vapors, sprays or aerosols. No eating, drinking, smoking, or snuffing tobacco at work. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Follow all SDS/label precautions even after container is emptied because it may retain product residues. Keep locked up. The product should only be handled by trained personnel. Keep away from sources of ignition - No smoking. Take action to prevent static discharges. In the event of fire, cool the endangered containers with water. When heated above the flash point and/or during spraying (atomizing), ignitible mixtures may form in air. Use only explosion-proof equipment. Refer to section 15 for specific national regulation.

Conditions for safe storage, including any incompatibilities:

Keep only in the original container at a temperature not exceeding 30 °C. Protect from the action of light. Fill the container by approximately 90 % only as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability. Can polymerize with intense heat release. Keep locked up or in an area accessible only to qualified or authorised persons. Observe prohibition against storing together! see also section 10.

# 8. Exposure controls/personal protection

## **Control Parameters**

**Occupational Exposure Limits** 

Chemical Identity Type	Exposure Limit Values	Source
------------------------	-----------------------	--------

Observe national threshold limit values.

**Biological Limit Values** 

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

For monitoring procedures refer for instance to "Empfohlene Analysenverfahren für Arbeitsplatzmessungen", Schriftenreihe der Bundesanstalt für Arbeitsschutz and "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

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

**General information:** No data available.

**Eye/face protection:** Tightly fitting safety goggles Ensure that eyewash stations and safety

showers are close to the workstation location.

**Skin Protection** 



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

Hand Protection: Material: butyl rubber gloves (minimal thickness 0.3 mm)

Break-through time: 60 min

Guideline: EN 374

Additional Information: Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use., Gloves should be discarded and replaced if there is

any indication of degradation or chemical breakthrough. Additional Information: Suitable as spray protection., neoprene gloves

Other: On handling of larger quantities: face mask, chemical-resistant boots and

apron

**Respiratory Protection:** Breathing apparatus in case of high concentrations

**Hygiene measures:** Take off all contaminated clothing immediately. Store work clothing

separately. Follow the usual good standards of occupational hygiene. Clean

skin thoroughly after work; apply skin cream. Take off contaminated

clothing and wash it before reuse.

# 9. Physical and chemical properties

**Appearance** 

Physical state: liquid
Form: viscous
Color: Violet
Odor: ester-like

Odor Threshold:

pH:

No data available.

Not applicable

Freezing point:

No data available.

**Boiling Point:** approx. 100 °C (1.013 hPa)

Flash Point: 8,5 °C (DIN 51 755)
Evaporation Rate: No data available.
Flammability (solid, gas): Not applicable

Flammability Limit - Upper (%): 12,5 %(V) (methyl methacrylate)

Flammability Limit - Lower (%): 2,1 %(V) at 10,5°C / 33,8°F (methyl methacrylate)

Vapor pressure: approx. 40 hPa (20 °C)

Vapor density (air=1): > 1 20 °C

**Density:** approx. 1,02 g/cm3 (20 °C)

Relative density: No data available.

Solubility(ies)

**Solubility in Water:** approx. 16 g/l (20 °C) **Solubility (other):** No data available.

Partition coefficient (n-octanol/water): 1,38 (methyl methacrylate)

**Autoignition Temperature:** 435 °C (DIN 51794) (methyl methacrylate) Auto Ignition

Temperature The substance or mixture is not classified

as pyrophoric.

**Decomposition Temperature:** This material is considered stable under specified



Issue Date: 25.03.2019 Last revised date: 27.03.2020

Supersedes Date: 18.12.2019

conditions of storage, shipment and/or use.

Kinematic viscosity: No data available.

**Dynamic viscosity:** 1.600 - 2.000 mPa.s (20 °C, Brookfield)

**Explosive properties:** Vapours may form explosive mixtures with air

No data available. Oxidizing properties:

Other information

**Dust Explosion Limit, Upper:** (methyl methacrylate)

**Dust Explosion Limit, Lower:** at 10,5°C / 33,8°F (methyl methacrylate) **Self Ignition Temperature:** 435 °C (methyl methacrylate) Auto Ignition

Temperature The substance or mixture is not

classified as pyrophoric.

# 10. Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions"

Chemical Stability: This material is considered stable under specified conditions of storage,

shipment and/or use.

Possibility of hazardous

reactions:

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. The same applies to the effect of light or UV-light respectively.

Conditions to avoid: Ultraviolet light. Solar radiation, heat, heat exposure, spark formation.

**Incompatible Materials:** Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing

agents and oxidizing agents. Mineral Acid Free radical initiators.

**Hazardous Decomposition** 

Products:

None when used as directed.

# 11. Toxicological information

#### Information on likely routes of exposure

Inhalation: No data available.

**Skin Contact:** No data available.

Eye contact: No data available.

Ingestion: No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

**Skin Contact:** No data available.

Eye contact: No data available.

Ingestion: No data available.

7/15

REG GHS 2021-01-08



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

## Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

**Product:** Not classified for acute toxicity based on available data.

**Dermal** 

**Product:** Not classified for acute toxicity based on available data.

Inhalation

**Product:** Acute toxicity estimate: > 40 mg/l

Repeated dose toxicity

**Product:** No data available.

Specified substance(s):

methyl methacrylate NOAEL (Rat, Inhalativ, 2 years): 25 ppm Findings: Damage to mucous

membranes in the nose at 400 ppm

NOAEL (Rat, Oral, 2 years): 2000 ppm Findings: no toxic effects

Bis(isopropyl) Not classified

thioperoxydicarbonate

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

NOAEL (Rat(male and female), Oral): 50 mg/kg LOAEL (Rat(male and

female), Oral): 250 mg/kg

Skin Corrosion/Irritation

**Product** No data available.

Specified substance(s):

methyl methacrylate Draize (Rabbit): Not irritating

Irritant Based on experience in human subjects

Bis(isopropyI)

thioperoxydicarbonate

OECD 404 (Guinea Pig): Irritating.

diphenyl(2,4,6-

trimethylbenzoyl)phosp

hine oxide

Draize Test (Rabbit): Not irritating

Pentaerythritol

tetra(mercaptoacetate)

OECD 404 Not irritating

Serious Eye Damage/Eye

Irritation

**Product:** No data available.

Specified substance(s):

methyl methacrylate (Rabbit): Not irritating

Bis(isopropyI)

thioperoxydicarbonate

Not Classified



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

diphenyl(2,4,6-

trimethylbenzoyl)phosp

hine oxide

Draize Test (Rabbit): Not irritating

Pentaerythritol

tetra(mercaptoacetate)

OECD 405 Not irritating

Respiratory or Skin Sensitization

**Product:** 

No data available.

Specified substance(s):

methyl methacrylate

Local Lymph Node Assay (LLNA), LLNA (OECD 429) (Mouse): Sensitising (man)Skin sensitizer In humans various types of allergic reactions have been observed (symptoms: headache, eye irritations, skin affections).

Not classified for respiratory sensitization

Bis(isopropyl) thioperoxydicarbonate , OECD 406 (Guinea Pig)May cause sensitization by skin contact.

diphenyl(2,4,6trimethylbenzoyl)phosp

hine oxide

, Local Lymph Node Assay (LLNA) (Mouse)Skin sensitizer

Pentaerythritol

tetra(mercaptoacetate)

, OECD Test Guideline 429 (Local Lymph Node Assay) (Mouse)Strong skin

sensitizer.

Carcinogenicity

**Product:** Specified substance(s):

No data available.

methyl methacrylate

Bis(isopropyI) thioperoxydicarbonate

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

Pentaerythritol

tetra(mercaptoacetate)

Not classified Not classified

No evidence that cancer may be caused.

Not classified



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

## **Germ Cell Mutagenicity**

In vitro

Product: No data available.

Specified substance(s):

methyl methacrylate Not classified

Bis(isopropyl) (OECD 471)negative

Not classified

thioperoxydicarbonate

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

Not classified Pentaerythritol

tetra(mercaptoacetate)

In vivo

Product: No data available.

Specified substance(s):

methyl methacrylate Not classified diphenyl(2,4,6-Not classified

trimethylbenzoyl)phosphi

ne oxide

Not classified Pentaerythritol

tetra(mercaptoacetate)

Reproductive toxicity

Product: No data available.

Specified substance(s):

methyl methacrylate Not classified Bis(isopropyl) Not classified

thioperoxydicarbonate

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

Pentaerythritol Not classified

tetra(mercaptoacetate)

**Specific Target Organ Toxicity - Single Exposure** 

**Product:** No data available. Specified substance(s):

methyl methacrylate Inhalation - vapor: Respiratory Tract - Category 3 with respiratory tract

not to be expected after one single exposure.

Not classified Based on the information available, organ-specific toxicity is

Suspected of damaging fertility.

irritation.

Not classified Bis(isopropyl)

thioperoxydicarbonate

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

Pentaerythritol Not classified

tetra(mercaptoacetate)

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s):

methyl methacrylate Not classified



Issue Date: 25.03.2019 Last revised date: 27.03.2020

Supersedes Date: 18.12.2019

Bis(isopropyl)

Not classified

thioperoxydicarbonate

diphenyl(2,4,6-

Not classified

trimethylbenzoyl)phosphi

ne oxide

Pentaerythritol

Not classified

tetra(mercaptoacetate)

## **Target Organs**

Specific Target Organ Toxicity - Single Exposure: Respiratory tract irritation.

**Aspiration Hazard** 

**Product:** Not classified

Other effects: Carefully avoid contact with skin and eyes as well as inhalation of product

> vapours. No tests were performed with this mixture. The properties of this product which are hazardous to health have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification".

## 12. Ecological information

## **Ecotoxicity:**

#### Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

methyl methacrylate LC 50 (96 h): > 100 mg/l Expert judgement

Bis(isopropyl)

thioperoxydicarbonate

No toxicity at the limit of solubility

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

LC 50 (Oryzias latipes, 48 h): 6,53 mg/l

Pentaerythritol

tetra(mercaptoacetate)

LC 50 (Oncorhynchus mykiss (rainbow trout), 96 h): 0,034 mg/l

**Aquatic Invertebrates** 

Product: No data available.

Specified substance(s):

methyl methacrylate EC 50 (Daphnia magna (Water flea), 48 h): 69 mg/l

Bis(isopropyl)

thioperoxydicarbonate

No toxicity at the limit of solubility

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

EC 50 (Daphnia magna (Water flea), 48 h): 3,53 mg/l



Issue Date: 25.03.2019 Last revised date: 27.03.2020

Supersedes Date: 18.12.2019

Pentaerythritol tetra(mercaptoacetate) EC 50 (Daphnia magna (Water flea), 48 h): > 0,35 mg/l

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

methyl methacrylate NOEC (Danio rerio (zebra fish), 14 d): 9,4 mg/l

Bis(isopropyl) thioperoxydicarbonate

No toxicity at the limit of solubility

Aquatic Invertebrates

**Product:** No data available.

Specified substance(s):

methyl methacrylate NOEC (Daphnia magna (Water flea), 21 d): 37 mg/l

Bis(isopropyl) thioperoxydicarbonate No toxicity at the limit of solubility

**Toxicity to Aquatic Plants** 

**Product:** No data available.

Specified substance(s):

methyl methacrylate EC 50 (Selenastrum capricornutum (green algae), 72 h): > 110 mg/l

NOEC (Selenastrum capricornutum (green algae), 72 h): > 110 mg/l

Bis(isopropyl)

thioperoxydicarbonate

No toxicity at the limit of solubility

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

ne oxide

EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 2,01 mg/l

Pentaerythritol

tetra(mercaptoacetate)

EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 0,12 mg/l

Persistence and Degradability

Biodegradation

**Product:** No data available.

Specified substance(s):

methyl methacrylate (14 d, OECD 301 C): 94 % easily biodegradable Readily biodegradable,

according to appropriate OECD test.

Pentaerythritol

tetra(mercaptoacetate)

Inherently biodegradable

**BOD/COD Ratio** 

Product: No data available.

Bioaccumulative potential

12/15 REG GHS 2021-01-08



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

**Bioconcentration Factor (BCF)** 

**Product:** No data available.

Specified substance(s):

methyl methacrylate Due to the distribution coefficient n-octanol/water, accumulation in organisms

is possible.

diphenyl(2,4,6-

trimethylbenzoyl)phosphi

Cyprinus carpio, Bioconcentration Factor (BCF): 23 - 55 Does not significantly accumulate in organisms.

ne oxide

Partition Coefficient n-octanol / water (log Kow)

**Product:** Log Kow: 1,38 (methyl methacrylate)

**Mobility in soil:** No data available.

Known or predicted distribution to environmental compartments

methyl methacrylate Binding to the solid soil phase, sediment or clarification sludge is not

expected. The substance evaporates gradually into the atmosphere from the surface of the water. If the substance does get into the environment,

it tends to remain in the compartment it was discharged into.

Bis(isopropyl)

thioperoxydicarbonate

diphenyl(2,4,6-

trimethylbenzoyl)phosphine

oxide

Pentaerythritol

tetra(mercaptoacetate)

Substance does not evaporate from water surface into the atmosphere. Binding to the solid soil phase, sediment or clarification sludge is not

expected.

No data available.

No data available.

Other adverse effects: Prevent substance from entering soil, natural bodies of water and sewer

systems. The properties of this product which are characteristics posing a threat to the environment have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification". No ecotoxicological data

is available for this product.

13. Disposal considerations

**General information:** Dispose of waste and residues in accordance with local authority

requirements.

**Disposal methods:** No data available.

Contaminated Packaging: Contaminated packaging should ideally be emptied; it can then be recycled

after having been decontaminated. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be

13/15

taken for recycling.

14. Transport information

**International Regulations** 

IATA-DGR

UN/ID No. : UN 1133

Proper shipping name : Adhesives STABILIZED

REG GHS 2021-01-08



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

Class : 3
Packing group : II
Labels : 3
Packing instruction (cargo : 364

aircraft)

Packing instruction : 353

(passenger aircraft)

**IMDG-Code** 

UN number : UN 1133

Proper shipping name : ADHESIVES STABILIZED

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

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

Not applicable for product as supplied.

#### Special precautions for user

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

## 15. Regulatory information

## International regulations

## Montreal protocol

Not applicable

## Stockholm convention

Not applicable

## **Rotterdam convention**

Not applicable

#### Kyoto protocol

REG GHS

Not applicable

# 16.Other information, including date of preparation or last revision

**Issue Date:** 27.03.2020

Version #: 2.1

**Further Information:** The product is normally supplied in a stabilized form. If the permissible

storage period and/or storage temperature is exceeded, the product may

polymerize with heat evolution.

**Revision Information:** Changes since the last version are highlighted in the margin. This version

replaces all previous versions.

14/15 2021-01-08



Issue Date: 25.03.2019 Last revised date: 27.03.2020 Supersedes Date: 18.12.2019

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.