

# Dynatex 4 Minute Epoxy Clear

## Safety Data Sheet



## Dynatex 4 Min Epoxy Clear - Resin

### Safety Data Sheet

Issue date: 11/17/2023

Supersedes: 09/11/2018

Version: 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Trade name : Dynatex 4 Minute Epoxy Clear – Resin  
Reference number : 143416

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use  
Use of the substance/mixture : Adhesive

#### 1.2.2. Uses advised against

No additional information available

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

Soudal  
350 Ring Road  
Elizabethtown, KY 42701  
(270) 769-3385  
[technical@soudalaccumetric.com](mailto:technical@soudalaccumetric.com) -  
[www.SoudalUSA.com](http://www.SoudalUSA.com)

### 1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC  
24h/24h

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**OSHA/HCS Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Classification

SKIN IRRITATION	Category 2
EYE IRRITATION	Category 2A
SKIN SENSITIZATION	Category 1B

#### Adverse physicochemical, human health and environmental effects

### 2.2. Label elements

Hazard pictograms (CLP)



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Signal word (CLP)	: WARNING
Hazard statements (CLP)	: Causes skin irritation. Causes serious eye irritation. May cause allergic skin reaction.
Precautionary statements (CLP)	: If medical advice is needed, have product container or label at hand. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep out of reach of children. Read label before use. Avoid breathing dust/fume/gas/vapors/spray. Wear protective gloves. Wear eye protection/face protection. Wash thoroughly after handling. Do not eat, drink, smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. IF ON SKIN: Wash with plenty of soap and water. If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label) If SWALLOWED: Call a poison center/doctor if you feel unwell. If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Rinse mouth. If on skin: Wash with plenty of water. Storage Store in a well-ventilated place.

Disposal Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Extra phrases :

### 2.3. Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-polymers	CAS-No: 25085-99-8	20 – 40

Any concentration shown in a range is to protect confidentiality or is due to batch variation..

There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general: First Aid responders should pay attention to self-protectino and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult doctor in case of complaints. Seek medical treatment.

First-aid measures after skin contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts, and wristbands.

First-aid measures after eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and

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remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention. Suitable emergency eyewash facility should be available in the work area.

First-aid measures after ingestion: No emergency medical treatment necessary.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation and redness.
Symptoms/effects after eye contact	: Causes serious eye irritation. Pain, irritation, watering, or redness.
Symptoms/effects after inhalation	: None known
Symptoms/effects after ingestion:	: No known significant effect or critical hazards.

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

Notes to physicians:	No specific antidote. Treat symptomatically. Contact poison control treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatments.
Protection of first aiders:	No actions shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Water Spray Jet

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Phenolics, Carbon monoxide, Carbon dioxide
Unusual Fire and Explosion Hazards	: Container may rupture from gas generation in a fire situation. Violent Stream generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.

### 5.3. Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected locations or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushed with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. Contain fire run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of the SDS.

Special protective equipment for firefighters: Fire-fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire helmet, coat, trousers, boots, gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in a post-fire or non-fire clean-up situations, refer to relevant sections.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures	No action shall be taken involving any personal risk or without suitable training. Ensure adequate ventilation. Wear protective clothing. Isolate area.
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#### 6.1.2. For emergency responders

Protective equipment	If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in 6.1.1.
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### 6.2. Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information.

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

For containment	: Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water.
Methods for cleaning up	: Absorb with liquid-binding material (sand, polypropylene fiber products, polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers.
Other information	: Dispose of materials or solid residues via an authorized disposal contractor.

### 6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling Hygiene	: Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid use of electric band heaters. Failures of electric band heaters have been reported to cause drums of liquid epoxy resin to explode and catch fire. Application of a direct flame to a container of liquid epoxy resin can also cause explosion and/or fire. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store in accordance with local regulations.  
Storage Temperature: 2 – 43°C (35 – 109°)

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Exposure limits are listed below, if they exist.

None established.

#### 8.1.2. Recommended monitoring procedures

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

#### 8.1.3. Air contaminants formed

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:** If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure .

#### 8.2.2. Personal protection equipment

**Personal protective equipment symbol(s):**



##### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses with side shields

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Protective clothing

**Hand protection:**

Protective gloves against chemicals

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

##### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state

: Viscous Liquid

Color

: colorless to yellow

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Odor	: Odorless to mild
Odor threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 320°C (608°F) Differential Scanning Colorimetry (DSC) decomposition
Flammability	: Not applicable
Explosive limits	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 264 - 268°C (507 - 514°F) Closed Cup
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 11,000 – 14,000 mPa.s at 25°C (77°F) ASTM D445
Solubility	: 5.4 – 8.4 mg/L at 20°C (68°F)
Partition coefficient n-octanol/water (Log Kow)	: 3.242 Estimated
Vapor pressure	: < 0.0000001 Pa EC Method A4
Vapor pressure at 50 °C	: Not available
Density	: 1.16 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapor density at 20 °C	: Not available
Particle characteristics	: Not applicable

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

### 9.2.2. Other safety characteristics

VOC content : Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Polymerization will not occur by itself. Masses of more than one pound (0.5 kg) or product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

### 10.4. Conditions to avoid

Avoid short term exposure to temperatures above 300°C (572°F). Avoid prolonged exposure to temperature above 250°C (482°F). Potentially violent decomposition can occur above 350°C (662°F). Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

### 10.5. Incompatible materials

Avoid contact with oxidizing material. Avoid contact with: Acids, Bases. Avoid unintentional contact with amines.

### 10.6. Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes

LD50 Oral – Rat	>15,000 mg/kg
LD50 Dermal – Rabbit	23,000 mg/kg

Skin Corrosion/Irritation	: Brief contact may cause moderate skin irritation with local redness.
Skin Sensitization	: Has caused allergic skin reactions in humans. Has demonstrated the potential for contact allergy in mice.
Serious Eye Damage/Irritation	: May cause moderate eye irritation.
Respiratory or Skin Sensitization	: The LC50 has not been determined.
Carcinogenicity	: Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBA). Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBA is not classified as a carcinogen. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of the evidence does not show DGEBA is carcinogenic.
Teratogenicity	: Not available
Mutagenicity	: Not available
Reproductive Toxicity	: In animal studies, did not interfere with reproduction. Resins based on the diglycidyl ether of bisphenol A (DGEBA) did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.
STOT-single exposure	: No relevant data found
STOT-repeated exposure	: Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.
Additional Information	: In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

#### 11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

LC50 Fish	2 mg/l (Oncorhynchus mykiss, 96 h, semi-static test)
EC50	1.8 mg/l (Daphnia magna, 48 h, static test)
ErC50	11 mg/l (Scenedesmus capricornutum, 72 h, static test, growth rate inhibition)
IC50	>42.6 mg/l (bacteria, 18 h)
NOEC	0.3 mg/l (Daphnia magna, 21 d, semi-static test, number of offspring)

#### 12.2. Persistence and Degradability

Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

Biodegradation: 12%, Exposure time 28 days, Method OECD 302B Test, 10 Day Window: Not Applicable

Theoretical Oxygen Demand: 2.35 mg/mg

#### 12.3. Bioaccumulative Potential

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3,000 or Log Pow between 3 and 5)

Partition Coefficient, n-octanol/water (log Pow): 3.242 Estimated

#### 12.4. Mobility in Soil

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Soil/Water Partition Coefficient  $K_{oc}$ )

Between 500 and 2,000

Other adverse effects:

No known significant effects or critical hazards

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

UN Number	Not regulated
UN Proper Shipping Name	Not applicable
DOT Classification	None
Packing Group	None
Environmental Hazards	None

## SECTION 15: Regulatory information

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

#### 15.1.1. US Federal Regulations

##### TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

DEA List I chemicals (precursor chemicals):	not listed
DEA List II Chemicals (essential chemicals):	not listed
SARA 302/304:	no products were found
SARA 304 RQ:	not applicable
SARA 311/312:	
Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure	No

#### 15.1.1. US State Regulations

##### California Prop 65

This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

## SECTION 16: Other information

### Indication of changes

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.



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### Dynatex 4 Min Epoxy Clear - Hardener

#### Safety Data Sheet

Issue date: 11/17/2023

Supersedes: 09/11/2018

Version: 2



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Trade name : Dynatex 4 Minute Epoxy Clear – Hardener  
Reference number : 143416

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use  
Use of the substance/mixture : Adhesive

#### 1.2.2. Uses advised against

No additional information available

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

Soudal  
350 Ring Road  
Elizabethtown, KY 42701  
(270) 769-3385  
[technical@soudalaccumetric.com](mailto:technical@soudalaccumetric.com) -  
[www.SoudalUSA.com](http://www.SoudalUSA.com)

### 1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC  
24h/24h

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**OSHA/HCS Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Classification

SKIN CORROSION  
SERIOUS EYE DAMAGE  
SKIN SENSITIZATION  
SHORT TERM ACQUATIC HAZARD  
CHRONIC ACQUATIC TOXICITY

Category 1C  
Category 1  
Category 1  
Category 3  
Category 3

#### Adverse physicochemical, human health and environmental effects

### 2.2. Label elements

Hazard pictograms (CLP)



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Signal word (CLP)	: DANGER
Hazard statements (CLP)	: Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.. Causes eye irritation.
Precautionary statements (CLP)	: Avoid breathing mist or vapors. If medical advice is needed, have product container or label at hand. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep out of reach of children. Read label before use. Avoid breathing dust/fume/gas/vapors/spray. Wear protective gloves. Wear eye protection/face protection. Wash thoroughly after handling. Do not eat, drink, smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. IF ON SKIN: Wash with plenty of soap and water. If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label) If SWALLOWED: Call a poison center/doctor if you feel unwell. If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Rinse mouth. If on skin: Wash with plenty of water. Storage Store locked up.
Disposal	Dispose of contents and container in accordance with all local, regional, national, and international regulations.
Extra phrases	:

### 2.3. Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Poly[oxy(methyl-1,2-ethanediyl)]-alpha.-hydro.-omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propane diol (4:1), 2-hydroxy-3-mercaptopropyl ether	CAS-No: 72244-98-5	70 – 90
2,4,6-tris(dimethylaminomethyl)phenol	CAS-No: 90-72-2	5 – 10
Bis[(dimethylamino)methyl]phenol	CAS-No.: 71074-89-0	1 – 5

Any concentration shown in a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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First-aid measures after inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

First-aid measures after skin contact: Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.

First-aid measures after eye contact: Small amounts splashed into the eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

First-aid measures after ingestion: Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: causes skin irritation. Irritation and redness.
Symptoms/effects after eye contact	: Causes serious eye irritation. Pain, irritation, watering, or redness.
Symptoms/effects after inhalation	: None known
Symptoms/effects after ingestion:	: Irritating to mouth, throat, and stomach.

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

Notes to physicians:	First aid responders should pay attention to self-protection and use the recommended protective clothing. If potential for exposure exists refer to section 8 for specific personal protective equipment. Avoid inhalation, ingestion, or contact with skin and eyes. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Specific treatments:	No specific treatments. Treat symptomatically.
Protection of first aiders:	No actions shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray, Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Water Spray Jet

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: oxides of Carbon, oxides of nitrogen, oxides of Sulphur
Unusual Fire and Explosion Hazards	: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.

### 5.3. Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected locations or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. Contain fire run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of the SDS.

Special protective equipment for firefighters: Fire-fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire helmet, coat, trousers, boots, gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in a post-fire or non-fire clean-up situations, refer to relevant sections.

## SECTION 6: Accidental release measures

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

#### 6.3.1. For non-emergency personnel

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Emergency procedures: Keep unnecessary personnel away. Do not touch or walk through spilled materials. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

### 6.3.2. For emergency responders

Protective equipment: If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in 6.1.1.

### 6.4. Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information.

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

For containment	Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water.
Methods for cleaning up	: Absorb with liquid-binding material (sand, polypropylene fiber products, polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers.
Other information	: Dispose of materials or solid residues via an authorized disposal contractor.

### 6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling Hygiene	: Use good industrial hygiene practices in handling this material. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing vapors or mist. Use personal protective equipment as required. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Persons suffering from asthma, eczema, or skin problems should avoid contact with this product. Do not breathe dust/vapors. Avoid exposure – obtain special instructions before use. For personal protection, see Section #8. Smoking, eating, and drinking should be prohibited in the application area. To avoid spills, keep container on a metal tray. Dispose of rinse water in accordance with local and national regulations.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep out of reach of children. Store in a tightly closed container in a dry, cool, well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Keep in properly labeled container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.3. Control parameters

#### 8.3.1 National occupational exposure and biological limit values

**Contains no substances with occupational exposure limit values.**

#### 8.1.4. Recommended monitoring procedures

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

#### 8.1.5. Air contaminants formed

No additional information available

### 8.4. Exposure controls

#### 8.2.4. Appropriate engineering controls

**Appropriate engineering controls:** If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure .

#### 8.2.5. Personal protection equipment

**Personal protective equipment symbol(s):**



##### 8.2.5.1. Eye and face protection

#### Eye protection:

Tight fitting safety goggles. Wear face shield and protective suit for abnormal processing problems.

##### 8.2.5.2. Skin protection

#### Skin and body protection:

Protective clothing

#### Hand protection:

Protective gloves against chemicals

##### 8.2.5.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

##### 8.2.5.4. Thermal hazards

No additional information available

##### 8.2.6. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear, colorless, light yellow

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Odor	: Rotten egg like
Odor threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Closed cup: >93.33°C (>199.9°F) [Pensky-Martens]
Auto-ignition temperature	: 382°C (720°F)
Decomposition temperature	: Not available
pH	: 10.1 estimated
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 1,000 – 1,600 mPa.s
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: Ca. 0.0000002 hPa estimated
Vapor pressure at 50 °C	: Not available
Density	: 1.13 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapor density at 20 °C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.3. Information with regard to physical hazard classes

#### 9.2.4. Other safety characteristics

VOC content : Not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

None known

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Carbon oxides, Nitrogen oxides, Oxides of Sulphur.

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes

2,4,6-Tris(dimethylaminomethyl) phenol (90-72-2)	
LD50 Oral – Rat	1,280 mg/kg
Skin Corrosion/Irritation	Corrosive after 1 to 4 hours (OECD 404)
Eye Damage/Irritation	Corrosive (OECD 405, rabbit)
NOAEL – Rat	75 mg/kg (OECD 408, Oral, Rat, Male and Female)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5)	
LC50 Inhalation – Rat	>0.1 mg/L (OECD 403, 4 hr, vapor, rat, male and female)
LD50 Dermal – Rabbit	>10,200 mg/kg (OECD 402, rabbit, male and female)
Respiratory or skin sensitization	This product is a skin sensitizer Category 1B (OECD 429, mouse)
Bis[(dimethylamino)methyl]phenol (71074-89-0)	
LD50 Dermal – Rat	>1 mL/kg (rat, male)
Skin Corrosion/Irritation	Corrosive after 1 to 4 hours (OECD 404)
Eye Damage/Irritation	Corrosive (OECD 405, rabbit)

Carcinogenicity	: Not available.
Teratogenicity	: Not available
Mutagenicity	: Not available
Reproductive Toxicity	: Not available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Additional Information	:

#### 11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

2,4,6-Tris(dimethylaminomethyl) phenol (90-72-2)	
LC50	175 mg/L (Cyprinus carpio, 96 h, Static Test, Fresh water)
LC50	718 mg/L (Palaemonetes vulgaris, 96 h, Static Test, Marine water)
ErC50	84 mg/L (OECD 201, Desmodesmus subspicatus, 72 h, Static)
NOEC	6.25 mg/L (OECD 201, Desmodesmus subspicatus, 72 h, Static Test, Fresh Water)

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### 12.2. Persistence and Degradability

#### Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5)

LC50	87 mg/L (OECD 203, Danio rerio, 96 h)
EC50	12 mg/L (OECD 202, Daphnia magna, 48 h, static test)
EC50	84 mg.L (OECD 201, Desmodesmus subspicatus, 72 h, Fresh Water)
NOEC	3.5 mg/L (OECD 211, Daphnia magna, 21 d)

#### Bis[(dimethylamino)methyl]phenol (71074-89-0)

LC50	175 mg/L (Cyprinus carpio, 96 h, Static Test, Fresh water)
LC50	718 mg/L (Palaemonetes vulgaris, 96 h, Static Test, Marine Water)
ErC50	84 mg/L (OECD 201, Desmodesmus subspicatus, 72 h, Static Test, Fresh Water)
NOEC	6.25 mg/L (OECD 201, Desmodesmus subspicatus, 72 h, Static Test, Fresh Water)

### 12.3. Bioaccumulative Potential

#### 2,4,6-Tris(dimethylaminomethyl) phenol (90-72-2)

Biodegradability	2 mg/L (OECD 301D, Activated Sludge non-adapted, Aerobic, 28 d)
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#### Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5)

Biodegradability	5% (OECD 301B, Activated Sludge, Aerobic, 28 d)
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#### Bis[(dimethylamino)methyl]phenol (71074-89-0)

Biodegradability	2 mg/L (OECD 301D, Activated Sludge non-adapted, Aerobic, 28 d)
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### 12.4. Mobility in Soil

There is no data available.

### 12.5. Hazardous to the ozone layer

This product neither contains or was manufacture with a Class I or Class II ODS as defined by the US Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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### SECTION 14: Transport information

UN Number	Not regulated
UN Proper Shipping Name	UN2735
DOT Classification	8
Packing Group	III
Environmental Hazards	None

### SECTION 15: Regulatory information

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

##### 15.1.1. US Federal Regulations

###### TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

DEA List I chemicals (precursor chemicals):

not listed

DEA List II Chemicals (essential chemicals):

not listed

SARA 302/304:

no products were found

SARA 304 RQ:

not applicable

SARA 311/312:

Respiratory or skin sensitization

Skin corrosion or irritation

Serious eye damage or eye irritation

###### SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### 15.1.1. US State Regulations

###### California Prop 65

WARNING: This product can expose you to chemicals including sulfuric acid, nitiloacetic acid, which is/are known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### SECTION 16: Other information

#### Indication of changes

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.