

# SAFETY DATA SHEET EPO-TEK® 360ST Part A

#### 1. Identification

**Product identifier** 

Product name EPO-TEK® 360ST Part A

Product number 360ST/A

Recommended use of the chemical and restrictions on use

**Application** Adhesive.

Uses advised against

Use only for intended applications.

Details of the supplier of the safety data sheet

**Supplier** Epoxy Technology, Inc.

14 Fortune Drive Billerica, MA 01821

USA

(978) 667-3805 (978) 663-9782

www.epotek.com, SDS@epotek.com

**Emergency telephone number** 

Emergency telephone ChemTel: +1 (800) 255-3924, +1 (813) 248-0585

# 2. Hazard(s) identification

# Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1

- H317 STOT SE 1 - H370

**Environmental hazards** Aquatic Chronic 2 - H411

Label elements

Hazard symbols









Signal word

Danger

Hazard statements

H302+H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage. H317 May cause an allergic skin reaction.

H370 Causes damage to organs.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements** P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell.

P302+P352 If on skin: Wash with plenty of water.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

Contains Bisphenol A Diglycidyl Ether Resin, Reactive Diluent, Polar Activator

Other hazards

Hazards not otherwise classified (HNOC)

Contains epoxy constituents. May produce an allergic reaction.

# 3. Composition/information on ingredients

# **Mixtures**

# Bisphenol A Diglycidyl Ether Resin

60-100%

CAS number: 25085-99-8

#### Classification

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

Reactive Diluent 10-30%

CAS number: Proprietary

#### Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Skin Sens. 1 - H317

Polar Activator 1-5%

CAS number: Proprietary

#### Classification

Flam. Liq. 2 - H225

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 3 - H331

STOT SE 1 - H370

The full text for all hazard statements is displayed in Section 16.

Ingredient notes

The exact percentage/concentration is withheld as a trade secret in accordance with 29 CFR 1910.1200. The exact identity is withheld as a trade secret in accordance with 29 CFR 1910.1200.

#### 4. First-aid measures

#### Description of first aid measures

General information Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Never give anything by mouth to an unconscious person. Get medical attention if

any discomfort continues.

Inhalation Place unconscious person on their side in the recovery position and ensure breathing can

take place. When breathing is difficult, properly trained personnel may assist affected person

by administering oxygen. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if

> readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical

attention immediately. Show this Safety Data Sheet to the medical personnel.

Skin Contact Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove

contaminated clothing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Get medical attention promptly if symptoms occur after washing.

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

General information Causes damage to organs .

Inhalation Harmful if inhaled. Vapors may cause headache, fatigue, dizziness and nausea. May cause

respiratory irritation.

Ingestion Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in

mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.

Skin contact Causes skin irritation. May cause an allergic skin reaction. May cause sensitisation by skin

contact.

Eye contact Causes serious eye damage.

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

Notes for the doctor Treat symptomatically.

# 5. Fire-fighting measures

# Extinguishing media

Suitable extinguishing media Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO2).

# Special hazards arising from the substance or mixture

Hazardous combustion

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapors.

Advice for firefighters

products

firefighting

Protective actions during

Avoid breathing fire gases or vapors. Cool containers exposed to heat with water spray and

remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

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

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental precautions** 

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Avoid release to the

environment.

Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after

dealing with a spillage.

**Reference to other sections** For personal protection, see Section 8.

7. Handling and storage

Precautions for safe handling

Usage precautions Handle all packages and containers carefully to minimize spills. Avoid inhalation of vapors and

contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety

data sheet.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Provide eyewash station. Wash promptly if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate

skin cream to prevent drying of skin.

Conditions for safe storage, including any incompatibilities

Storage precautions Store at room temperature. Keep container tightly sealed when not in use.

Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

# 8. Exposure controls/Personal protection

# **Control parameters**

#### Occupational exposure limits

**Polar Activator** 

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm Short-term exposure limit (15-minute): ACGIH 250 ppm

ACGIH = American Conference of Governmental Industrial Hygienists.

#### **Exposure controls**

# Protective equipment





Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat,

drink or smoke.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

#### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

**Appearance** Paste. Color Tan. Odor Mild.

Odor threshold No specific test data are available.

Ηд No specific test data are available.

Melting point No specific test data are available.

Initial boiling point and range No specific test data are available.

Flash point >121°C **Evaporation rate** <BuAc

Flammability (solid, gas) No specific test data are available. Upper/lower flammability or No specific test data are available.

explosive limits No specific test data are available.

Vapor density > 1

Relative density No specific test data are available.

Solubility(ies) Slightly soluble in water.

Partition coefficient No specific test data are available. Auto-ignition temperature No specific test data are available. **Decomposition Temperature** No specific test data are available.

Viscosity No specific test data are available.

Other information Not known.

#### 10. Stability and reactivity

Vapor pressure

Reactivity The following materials may react violently with the product: Strong oxidizing agents. Strong

reducing agents.

Stability Stable at normal ambient temperatures and when used as recommended.

Possibility of hazardous

reactions

Will not polymerize.

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of

ignition.

Materials to avoid Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition

products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapors.

# 11. Toxicological information

# Information on toxicological effects

Acute toxicity - oral

**ATE oral (mg/kg)** 1,306.29

Acute toxicity - dermal

**ATE dermal (mg/kg)** 3,111.29

Acute toxicity - inhalation

ATE inhalation (gases ppm) 10,867.87

ATE inhalation (vapours mg/l) 31.11

ATE inhalation (dusts/mists

mg/l)

4.43

Inhalation Harmful if inhaled. Vapors may cause headache, fatigue, dizziness and nausea. May cause

respiratory irritation.

Ingestion Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in

mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.

Skin Contact Causes skin irritation. May cause sensitisation by skin contact. May cause an allergic skin

reaction.

**Eye contact** Causes serious eye damage.

Acute and chronic health

hazards

Causes damage to organs .

# 12. Ecological information

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

Acute aquatic toxicity

Acute toxicity - fish Not available.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

Partition coefficient No specific test data are available.

Mobility in soil

**Mobility** The product is miscible with water and may spread in water systems.

Other adverse effects

Other adverse effects Not known.

# 13. Disposal considerations

# Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site

in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, DOT).

**UN Number** 

UN No. (TDG) 3082 UN No. (IMDG) 3082 UN No. (ICAO) 3082

UN No. (DOT) UN3082

UN proper shipping name

Proper shipping name (TDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A

Diglycidyl Ether Resin)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A

Diglycidyl Ether Resin)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A

Diglycidyl Ether Resin)

Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A

Diglycidyl Ether Resin)

Transport hazard class(es)

DOT hazard class 9

DOT hazard label 9

TDG class 9

TDG label(s) 9

IMDG Class 9

ICAO class/division 9

Transport labels



# **DOT transport labels**



Packing group

TDG Packing Group

IMDG packing group

ICAO packing group

Ш

DOT packing group

#### **Environmental hazards**

# **Environmentally Hazardous Substance**



#### Special precautions for user

EmS F-A, S-F

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

# 15. Regulatory information

Regulatory References Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of

Intellectual Property Rights (TRIPS), Section 7, Art. 39.

### **US Federal Regulations**

# SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

## CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed:

Polar Activator

5,000 lbs (2270 Kg)

# SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

#### SARA 313 Emission Reporting

The following ingredients are listed:

Polar Activator

1-5%

#### **CAA Accidental Release Prevention**

None of the ingredients are listed.

#### **OSHA Highly Hazardous Chemicals**

None of the ingredients are listed.

#### **US State Regulations**

## California Proposition 65 Carcinogens and Reproductive Toxins



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Polar Activator

# California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed:

Polar Activator

# California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

# Massachusetts "Right To Know" List

The following ingredients are listed:

Polar Activator

# Rhode Island "Right To Know" List

The following ingredients are listed:

Polar Activator

# Minnesota "Right To Know" List

The following ingredients are listed:

Polar Activator

# New Jersey "Right To Know" List

The following ingredients are listed:

Polar Activator

# Pennsylvania "Right To Know" List

The following ingredients are listed:

Polar Activator

#### Inventories

# **EU - EINECS/ELINCS**

Some of the ingredients are listed or exempt.

# Canada - DSL/NDSL

All the ingredients are listed or exempt.

# US - TSCA

All the ingredients are listed or exempt.

# US - TSCA 12(b) Export Notification

None of the ingredients are listed.

# Australia - AICS

All the ingredients are listed or exempt.

## Japan - ENCS

Some of the ingredients are listed or exempt.

## Korea - KECI

All the ingredients are listed or exempt.

# China - IECSC

All the ingredients are listed or exempt.

# Philippines - PICCS

All the ingredients are listed or exempt.

# 16. Other information

Revision date

12/12/2018

Revision 2

Supersedes date 12/18/2014

Hazard statements in full H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled. H332 Harmful if inhaled.

H315 Causes skin irritation.

H370 Causes damage to organs.

H411 Toxic to aquatic life with long lasting effects.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



# SAFETY DATA SHEET EPO-TEK® 360ST Part B

#### 1. Identification

**Product identifier** 

Product name EPO-TEK® 360ST Part B

Product number 360ST/B

Recommended use of the chemical and restrictions on use

**Application** Adhesive.

Uses advised against Restricted to professional users. Pregnant or breastfeeding women should not work with this

product if there is any risk of exposure.

Details of the supplier of the safety data sheet

Supplier Epoxy Technology, Inc.

14 Fortune Drive Billerica, MA 01821

**USA** 

(978) 667-3805 (978) 663-9782

www.epotek.com, SDS@epotek.com

Emergency telephone number

Emergency telephone ChemTel: +1 (800) 255-3924, +1 (813) 248-0585

# 2. Hazard(s) identification

# Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Skin Corr. 1C - H314 Eye Dam. 1 - H318 Repr. 1B - H360D

Environmental hazards Not Classified

Label elements

# Hazard symbols







Signal word

Danger

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H360D May damage the unborn child.

Revision date: 12/12/2018 Revision: 2 Supersedes date: 12/18/2014

# **EPO-TEK® 360ST Part B**

**Precautionary statements** P280 Wear protective gloves/ protective clothing/ eye protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/ shower.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

Restricted to professional users.

Contains Substituted Imidazole Blend, Imidazole

# 3. Composition/information on ingredients

#### **Mixtures**

# Substituted Imidazole Blend 60-100%

CAS number: Proprietary

#### Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Imidazole 30-60%

CAS number: 288-32-4

# Classification

Acute Tox. 4 - H302 Skin Corr. 1C - H314 Eye Dam. 1 - H318 Repr. 1B - H360D

The full text for all hazard statements is displayed in Section 16.

#### 4. First-aid measures

#### Description of first aid measures

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. When breathing is difficult, properly trained personnel may assist affected person

by administering oxygen.

**Ingestion** Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not

induce vomiting. Remove affected person from source of contamination. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm

and at rest in a position comfortable for breathing.

**Skin Contact** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical

attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms

occur after washing.

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

General information Contains a substance/a group of substances which may damage the unborn child. Pregnant

or breastfeeding women should not work with this product if there is any risk of exposure.

**Inhalation** Gas or vapor in high concentrations may irritate the respiratory system.

Ingestion Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May

cause nausea, headache, dizziness and intoxication. May cause stomach pain or vomiting.

**Skin contact** Causes severe burns.

**Eye contact** Causes serious eye damage.

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

Notes for the doctor Treat symptomatically.

## 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media Dry chemicals. Foam. Carbon dioxide (CO2).

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

Hazardous combustion

products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapors.

# Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapors. Cool containers exposed to heat with water spray and

remove them from the fire area if it can be done without risk.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

#### 6. Accidental release measures

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

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots,

clothing or apron, as appropriate.

**Environmental precautions** 

**Environmental precautions** Avoid release to the environment.

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

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near

spillage. Provide adequate ventilation. Absorb spillage with sand or other inert absorbent.

Collect and place in suitable waste disposal containers and seal securely.

**Reference to other sections** For personal protection, see Section 8.

#### 7. Handling and storage

#### Precautions for safe handling

Usage precautions Restricted to professional users. Pregnant or breastfeeding women should not work with this

product if there is any risk of exposure. Handle all packages and containers carefully to minimize spills. Avoid inhalation of vapors and contact with skin and eyes. Wear protective

clothing as described in Section 8 of this safety data sheet.

Advice on general occupational hygiene Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.

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

Storage precautions Store at room temperature. Keep container tightly sealed when not in use.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

#### 8. Exposure controls/Personal protection

Ingredient comments No exposure limits known for ingredient(s).

#### **Exposure controls**

# Protective equipment





Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Personal protection

Pregnant or breastfeeding women should not work with this product if there is any risk of

exposure. Restricted to professional users.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to

prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

# 9. Physical and chemical properties

# Information on basic physical and chemical properties

**Appearance** Liquid. Color Amber. Odor Slight.

Odor threshold No specific test data are available.

рΗ No specific test data are available.

Melting point No specific test data are available.

Initial boiling point and range No specific test data are available.

Flash point > 93°C

**Evaporation rate** <BuAc Revision date: 12/12/2018 Revision: 2 Supersedes date: 12/18/2014

# **EPO-TEK® 360ST Part B**

Flammability (solid, gas) No specific test data are available.

Upper/lower flammability or

explosive limits

No specific test data are available.

Vapor pressure No specific test data are available.

Vapor density >1

**Relative density** No specific test data are available.

Bulk density 1.02 kg/m<sup>3</sup>

**Solubility(ies)** Slightly soluble in water.

Partition coefficient No specific test data are available.

**Auto-ignition temperature** No specific test data are available.

**Decomposition Temperature** No specific test data are available.

**Viscosity** No specific test data are available.

Other information Not known.

# 10. Stability and reactivity

Reactivity The following materials may react with the product: Strong oxidizing agents. Strong reducing

agents.

Stability Stable at normal ambient temperatures and when used as recommended.

Possibility of hazardous

reactions

Will not polymerize.

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of

ignition.

Materials to avoid Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition

products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapors.

# 11. Toxicological information

## Information on toxicological effects

Acute toxicity - oral

**ATE oral (mg/kg)** 500.24

**Inhalation** Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust

during cutting, grinding or sanding operations involving this product may cause irritation of the

respiratory tract.

**Ingestion** Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May

cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

**Skin Contact** Causes severe burns.

**Eye contact** Causes serious eye damage.

Acute and chronic health

hazards

May damage the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.

# 12. Ecological information

Acute aquatic toxicity

Acute toxicity - fish Not available.

Persistence and degradability

Persistence and degradability The product is moderately biodegradable.

Bioaccumulative potential

**Bio-Accumulative Potential** The product contains potentially bioaccumulating substances.

Partition coefficient No specific test data are available.

Mobility in soil

**Mobility** Semi-mobile.

Other adverse effects

Other adverse effects Not known.

# 13. Disposal considerations

## Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

#### 14. Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

**UN Number** 

UN No. (TDG) 3267

UN No. (IMDG) 3267

UN No. (ICAO) 3267

UN No. (DOT) UN3267

#### UN proper shipping name

Proper shipping name (TDG) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS Imidazole)

Proper shipping name (IMDG) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS Imidazole)

Proper shipping name (ICAO) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS Imidazole)

Proper shipping name (DOT) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS Imidazole)

Transport hazard class(es)

DOT hazard class 8

DOT hazard label 8

TDG class 8

TDG label(s) 8

IMDG Class 8

ICAO class/division 8

#### Transport labels



# **DOT transport labels**



# Packing group

TDG Packing Group III
IMDG packing group III
ICAO packing group III

DOT packing group

# **Environmental hazards**

# **Environmentally Hazardous Substance**

No.

#### Special precautions for user

IMDG Code segregation

group

18. Alkalis

EmS F-A, S-B

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

# 15. Regulatory information

Regulatory References Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of

Intellectual Property Rights (TRIPS), Section 7, Art. 39.

# **US Federal Regulations**

# SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are required to be listed.

# CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are required to be listed.

# SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are required to be listed.

#### SARA 313 Emission Reporting

None of the ingredients are required to be listed.

#### **CAA Accidental Release Prevention**

None of the ingredients are required to be listed.

# **OSHA Highly Hazardous Chemicals**

None of the ingredients are required to be listed.

# **US State Regulations**

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are required to be listed.

# California Air Toxics "Hot Spots" (A-I)

None of the ingredients are required to be listed.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are required to be listed.

#### Massachusetts "Right To Know" List

None of the ingredients are required to be listed.

# Rhode Island "Right To Know" List

None of the ingredients are required to be listed.

# Minnesota "Right To Know" List

None of the ingredients are required to be listed.

#### New Jersey "Right To Know" List

None of the ingredients are required to be listed.

#### Pennsylvania "Right To Know" List

None of the ingredients are required to be listed.

# Inventories

#### **EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

## Canada - DSL/NDSL

All the ingredients are listed or exempt.

#### **US-TSCA**

All the ingredients are listed or exempt.

# US - TSCA 12(b) Export Notification

None of the ingredients are listed.

# Australia - AICS

All the ingredients are listed or exempt.

#### Japan - ENCS

All the ingredients are listed or exempt.

#### Korea - KECI

All the ingredients are listed or exempt.

#### China - IECSC

All the ingredients are listed or exempt.

## Philippines - PICCS

All the ingredients are listed or exempt.

# 16. Other information

Revision date 12/12/2018

Revision 2

Supersedes date 12/18/2014

Hazard statements in full H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H360D May damage the unborn child.

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