

SAFETY DATA SHEET

Issue Date 29-Apr-2015

Revision Date 29-May-2015

Version 1

1. IDENTIFICATION

Product identifier

Product Name HP Epoxy - A

Other means of identification

Product Code

Synonyms

Recommended use of the chemical and restrictions on use

Recommended Use Concrete Coating.

Uses advised against No Data

Details of the supplier of the safety data sheet

Distributor Address

Deco Crete Supply 133 North Kohler Road Orrville, OH 44667

Emergency telephone number

Company Phone Number (330) 682-5678

24 Hour Emergency Phone Number 800-535-5053 (United States & Canada), International Call: 1-352-323-3500

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Hazardous to the Aquatic Environment - Long Term (Chronic) Hazard	Category 2

Label elements

Emergency Overview

Hazard statements

Suspected of Causing Cancer
Toxic to Aquatic Life with Long Lasting Effects
May be Harmful if Swallowed
Causes mild skin irritation
Causes eye irritation



Appearance Colorless to yellowish.	Physical state liquid	Odor Slight
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Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep container tightly closed
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Avoid release to the environment
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
 If skin irritation occurs: Get medical advice or attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
 Do NOT induce vomiting.
 Take off contaminated clothing and wash before reuse
 In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish.
 Collect spillage
 Get medical advice/attention if you feel unwell

Precautionary Statements - Storage

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

Hazards not otherwise classified (HNOC)

Repeated exposure may cause skin dryness or cracking

Other Information**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical Name	CAS No.	Weight-%	Trade Secret
Epoxy resin	Proprietary	60 - 100	*
Benzyl alcohol	100-51-6	10 - 30	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures****General advice**

Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Eye, Skin, and Respiratory Irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. For additional information, see Safety Data Sheet.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

In a fire or if heated a pressure increase may occur and the container may burst.

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide.

Explosion data

Sensitivity to Mechanical Impact Not available.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wear protective gloves/protective clothing and eye/face protection.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for cleaning up Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Incompatible materials Keep away from strong oxidizing agents, strong alkalis, and strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Benzyl Alcohol, CAS Number 100-51-6, TWA 10.00 ppm, USA. Workplace Environmental Exposure Levels (WEEL).

Appropriate engineering controls

Engineering Controls General/Local Ventilation Recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

Respiratory protection Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	Odor	Slight
Appearance	Colorless to yellowish.	Odor threshold	No data available
Color	Transparent Liquid - May have slight color due to performance additives.		

Property	Values	Remarks • Method
pH	Not Relevant	
Melting point / freezing point	Not Available	
Boiling point / boiling range	Not Applicable	
Flash point	252 °C 465 °F	CC (closed cup)
Evaporation rate	Not Available	

Flammability (solid, gas)	Not Relevant
Flammability Limit in Air	
Upper flammability limit:	Not Applicable
Lower flammability limit:	Not Applicable
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	1.16 @ 70 Degrees F
Water solubility	Insoluble in water
Solubility in other solvents	Not Available
Partition coefficient	Not Available
Autoignition temperature	Not Available
Decomposition temperature	Not Available
Kinematic viscosity	Not Available
Dynamic viscosity	Not Available
Explosive properties	Not Available
Oxidizing properties	Not Available

Other Information

Softening point	Not Relevant
Molecular weight	Not Available
VOC Content (%)	0 g/L
Density	Not Available
Bulk density	Not Available

10. STABILITY AND REACTIVITY

Reactivity

Not Available

Chemical stability

Stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions, carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	Direct contact and vapor inhalation.
Eye contact	Direct contact.
Skin contact	Direct contact.
Ingestion	Direct contact.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms May cause an allergic skin reaction.

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

Skin corrosion/irritation Irritating to skin.
Serious eye damage/eye irritation Irritating to eyes. Risk of serious damage to eyes.
Irritation Irritating to eyes, respiratory system and skin.
Sensitization No data available.
Germ cell mutagenicity No data available.
Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity Not Available.
STOT - single exposure Not Available.
STOT - repeated exposure Not Available.
Aspiration hazard Not Available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Benzyl alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50

Persistence and degradability

No data available.

Bioaccumulation

No data available.

Chemical Name	Partition coefficient
Benzyl alcohol 100-51-6	1.1

Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated
Marine pollutant Material is expected to be harmful to aquatic organisms. May cause long-term adverse

effects in the aquatic environment.

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

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

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

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

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

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

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

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

US State Regulations

California Proposition 65

unknown

U.S. State Right-to-Know Regulations

U.S. EPA Label Information**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X
Issue Date	29-Apr-2015			
Revision Date	29-May-2015			
Revision Note				

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Issue Date 29-Apr-2015

Revision Date 29-May-2015

Version 1

1. IDENTIFICATION

Product identifier

Product Name HP Epoxy - B

Other means of identification

Product Code

UN/ID no. 2735

Synonyms

Recommended use of the chemical and restrictions on use

Recommended Use Concrete Coating.

Uses advised against No Data

Details of the supplier of the safety data sheet

Distributor Address

Deco Crete Supply 133 North Kohler Road Orrville, OH 44667

Emergency telephone number

Company Phone Number (330) 682-5678

24 Hour Emergency Phone Number 800-535-5053 (United States & Canada), International Call: 1-352-323-3500

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 2
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Hazardous to the Aquatic Environment - Long Term (Chronic) Hazard	Category 2

Label elements

Emergency Overview

Hazard statements

Toxic to Aquatic Life with Long Lasting Effects

Harmful if inhaled

Harmful if swallowed

Fatal in contact with skin

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

**Appearance** Colorless to yellowish.**Physical state** liquid**Odor** Slight**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection
Keep only in original container
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not get in eyes, on skin, or on clothing
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Avoid release to the environment

Precautionary Statements - Response

Collect spillage
Call a POISON CENTER or doctor/physician if you feel unwell
IF IN EYES
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN:
IF ON CLOTHING
Immediately call a POISON CENTER or doctor/physician
Remove/Take off immediately all contaminated clothing
Wash contaminated clothing before reuse
If skin irritation occurs: Get medical advice/attention
IF INHALED
Immediately call a POISON CENTER or doctor/physician
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED
Rinse mouth
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Absorb spillage to prevent material damage
Collect spillage

Precautionary Statements - Storage

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.
Store in corrosive resistant/ .? container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

Hazards not otherwise classified (HNOC)**Other Information****3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Benzyl alcohol	100-51-6	30 - 60	*
1,3-Cyclohexanedimethanamine	2579-20-6	15 - 40	*
Proprietary	TRADE SECRET	10 - 30	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice	Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
Eye contact	If eye irritation persists: Get medical advice/attention. IF IN EYES: If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms Eye, Skin, and Respiratory Irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. For additional information, see Safety Data Sheet.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide.

Explosion data

Sensitivity to Mechanical Impact Not available.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Wear protective gloves/protective clothing and eye/face protection.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

Methods for cleaning up Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Incompatible materials Keep away from strong oxidizing agents, strong alkalis, and strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines Benzyl Alcohol, CAS Number 100-51-6, TWA 10.00 ppm, USA. Workplace Environmental Exposure Levels (WEEL).

Appropriate engineering controls

Engineering Controls General/Local Ventilation Recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

Respiratory protection Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	Odor	Slight
Appearance	Colorless to yellowish.	Odor threshold	No data available
Color	Transparent Liquid - May have slight color due to performance additives.		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not Relevant	
Melting point / freezing point	Not Available	
Boiling point / boiling range	Not Applicable	
Flash point	104 °C 465 °F	CC (closed cup)
Evaporation rate	Not Available	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	No data	
Lower flammability limit:	No data	
Vapor pressure	Not Available	
Vapor density	Not Available	
Relative density	1.08 @ 70 Degrees F	
Water solubility	Insoluble in water	
Solubility in other solvents	Not Available	
Partition coefficient	Not Available	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Kinematic viscosity	Not Available	
Dynamic viscosity	Not Available	
Explosive properties	Not Available	
Oxidizing properties	Not Available	

Other Information

Softening point	Not Relevant
Molecular weight	Not Available
VOC Content (%)	0 g/L
Density	Not Available
Bulk density	Not Available

10. STABILITY AND REACTIVITY

Reactivity
Not Available

Chemical stability
Stable under normal conditions.

Possibility of Hazardous Reactions
None under normal processing. Vapors may travel to a source of ignition and flash back.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Keep away from strong oxidizing agents, strong alkalis, and strong acids.

Hazardous Decomposition Products
Hazardous decomposition products formed under fire conditions, carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Direct contact and vapor inhalation.
Eye contact	Direct contact.
Skin contact	Direct contact.
Ingestion	Direct contact.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
1,3-Cyclohexanedimethanamine 2579-20-6	= 880 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms May cause an allergic skin reaction.

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

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes. Risk of serious damage to eyes.
Irritation	Irritating to eyes, respiratory system and skin.
Sensitization	May cause sensitization by inhalation.
Germ cell mutagenicity	No data available.
Carcinogenicity	No Data Available.
Reproductive toxicity	Not Available.
STOT - single exposure	Not Available.
STOT - repeated exposure	Not Available.
Aspiration hazard	Not Available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

No available data.

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Benzyl alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50

Persistence and degradability

No data available.

Bioaccumulation

Bioaccumulative potential.

Chemical Name	Partition coefficient
Benzyl alcohol 100-51-6	1.1

Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
UN/ID no.	2735
Hazard Class	8
Packing Group	II
Marine pollutant	No available data.
UN/ID no.	2375
Hazard Class	8
Packing Group	II
UN/ID no.	2735
Proper shipping name	2735 - Amines, liquid, corrosive, n.o.s.
Hazard Class	8
Packing Group	II
UN/ID no.	2735
Hazard Class	8
Packing Group	II
<u>IATA</u>	Not regulated
UN/ID no.	2735
Proper shipping name	2735 - Amines, liquid, corrosive, n.o.s.
Hazard Class	8
Packing Group	II
<u>IMDG</u>	Not regulated
UN/ID no.	2735
Proper shipping name	2735 - Amines, liquid, corrosive, n.o.s.
Hazard Class	8
Packing Group	II
UN/ID no.	2735
Hazard Class	8
Packing Group	II
UN/ID no.	2735
Hazard Class	8
Packing Group	II
UN Number	2735

Hazard Class 8
 Packing Group II

15. REGULATORY INFORMATION

International Inventories

TSCA Does not comply
 DSL/NDSL Does not comply
 EINECS/ELINCS Does not comply
 ENCS Does not comply
 IECSC Does not comply
 KECL Does not comply
 PICCS Does not comply
 AICS Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No Data Available
Chronic Health Hazard	No Data Available
Fire hazard	-
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

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

US State Regulations

California Proposition 65

unknown

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 3	Flammability 1	Instability 1	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 3	Flammability 1	Physical hazards 1	Personal protection X

Issue Date 29-Apr-2015
Revision Date 29-May-2015
Revision Note

Disclaimer

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End of Safety Data Sheet