

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : 2200-A
 Product code : 2200-A
 Other means of identification : 2200-A/QT

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Protective Industrial Polymers
 7875 Bliss Parkway
 North Ridgeville, Ohio 44039 - USA-Ohio
 T 440-327-0015
www.protectpoly.com

1.4. Emergency telephone number

Emergency number : Chemtrec: 800427-9300 (Outside USA) 703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute toxicity (oral), Category 4 H302
 Skin corrosion/irritation, Category 2 H315
 Serious eye damage/eye irritation, Category 2A H319
 Sensitisation — Skin, Category 1 H317

Full text of H statements : see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Contains :

dibutyltin dilaurate

Hazard statements (GHS-US) :

H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
 P264 - Wash hands thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P280 - Wear protective gloves, protective clothing
 P301+P312 - If swallowed: Call a doctor if you feel unwell
 P302+P352 - If on skin: Wash with plenty of water
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P321 - Specific treatment (see a doctor if symptoms do not go away. on this label)
 P330 - Rinse mouth
 P332+P313 - If skin irritation occurs: Get medical advice/attention
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
 P337+P313 - If eye irritation persists: Get medical advice/attention
 P362+P364 - Take off contaminated clothing and wash it before reuse
 P363 - Wash contaminated clothing before reuse
 P501 - Dispose of contents/container to an approved waste disposal plant

2200-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|--|---------------------|---------|--|
| dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol | (CAS No) 88917-22-0 | 65 - 75 | Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |
| dibutyltin dilaurate | (CAS No) 77-58-7 | < 0.5 | Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove the victim into fresh air.
First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries : Skin rash/inflammation. Irritation of the eye tissue.
Symptoms/injuries after inhalation : Irritation of the respiratory tract.
Symptoms/injuries after skin contact : Slight irritation.
Symptoms/injuries after eye contact : Causes eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Dry sand. Foam. Water spray. Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No data available on indirect fire hazard.

5.3. Advice for firefighters

Firefighting instructions : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

2200-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Absorb spillage to prevent material damage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use. Keep only in original container.
- Incompatible materials : Sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0) | | |
|---|---------------------------------|--|
| Not applicable | | |
| dibutyltin dilaurate (77-58-7) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 0.1 mg/m ³ (Tin organic compounds, as Sn; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH | ACGIH STEL (mg/m ³) | 0.2 mg/m ³ (Tin organic compounds, as Sn; USA; Short time value; TLV - Adopted Value) |

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product.
- Eye protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : clear
- Odour : Slight solvent smell
- Odour threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : ≈ 200 °C
- Flash point : ≈ 86 °C
- Relative evaporation rate (butylacetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosive limits : No data available
- Explosive properties : No data available
- Oxidising properties : No data available

2200-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|----------------------------------|---|
| Vapour pressure | : No data available |
| Relative density | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Solubility | : Water: Solubility in water of component(s) of the mixture : • dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol: 19 g/100ml • dibutyltin dilaurate: g/100ml (20 °C) 1.43E-4 • Xylenes: < 0.02 g/100ml • 2-Phenoxyethanol: 2.7 g/100ml • 3- oxa-1,5-pentanediol: 100 g/100ml (20 °C, Complete) • Octamethylcyclotetrasiloxane: < 0.01 g/100ml |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Amines. Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. irritant gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

| 2200-A | |
|--|--|
| ATE US (oral) | 500.000 mg/kg bodyweight |
| dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0) | |
| LD50 oral rat | > 5000 mg/kg (Rat) |
| LD50 dermal rat | > 5000 mg/kg (Rat) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit) |
| dibutyltin dilaurate (77-58-7) | |
| LD50 oral rat | 2071 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) |
| ATE US (oral) | 2071.000 mg/kg bodyweight |

Skin corrosion/irritation : Causes skin irritation. Not classified.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

2200-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|--|--|
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/injuries after inhalation | : Irritation of the respiratory tract. |
| Symptoms/injuries after skin contact | : Slight irritation. |
| Symptoms/injuries after eye contact | : Causes eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified due to lack of data.

dibutyltin dilaurate (77-58-7)

| | |
|-------------------------|--|
| Threshold limit algae 1 | > 1 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value) |
|-------------------------|--|

12.2. Persistence and degradability

2200-A

| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)

| | |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

dibutyltin dilaurate (77-58-7)

| | |
|-------------------------------|---|
| Persistence and degradability | Not readily biodegradable in water. No (test)data on mobility of the substance available. |
|-------------------------------|---|

12.3. Bioaccumulative potential

2200-A

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)

| | |
|---------------------------|--|
| Log Pow | 0.66 (Estimated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

dibutyltin dilaurate (77-58-7)

| | |
|---------------------------|---|
| BCF fish 1 | 31 - 813 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 7 days; Carassius carassius; Flow-through system; Fresh water; Experimental value) |
| Bioaccumulative potential | Potential for bioaccumulation (500 ≤ BCF ≤ 5000). |

12.4. Mobility in soil

2200-A

| | |
|----------------|--------------------|
| Ecology - soil | No Data Available. |
|----------------|--------------------|

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Contain and dispose of waste according to local regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

2200-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Air transport

UN-No. (IATA) : Not Regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

2200-A

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

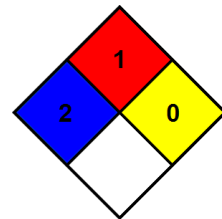
Full text of H-statements:

| | |
|------|--|
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H360 | May damage fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

2200-A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product