

SAFETY DATA SHEET



Revision Date 30-Jul-2015
Version 5.03

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Hydrolac B-5 Powder
Product code HYDROLAC B-5 POWDER

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

Recommended Use No information available
Restrictions on use No information available

1.3 Details of the supplier of the safety data sheet

Supplier Mantrose-Haeuser Company
1175 Post Road East
Westport, CT 06880

E-mail Address productsupport@mantrose.com

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Reproductive toxicity	Category 2
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2.2 Label elements

Signal Word

Warning

Hazard Statements

Suspected of damaging fertility or the unborn child



Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

2.4 Other information

Not Applicable

Unknown Acute Toxicity

80% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

Substance**Mixture**

Chemical Name	CAS-No	Weight %
Borax Decahydrate	1303-96-4	20 - 30

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

4. First aid measures

4.1 Description of first-aid measures

General advice	No information available.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact	Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use.
Inhalation	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Ingestion	If victim is conscious and able to swallow, have victim drink water to dilute. Induce vomiting with the advice from trained personnel. Never give anything by mouth if victim is unconscious or having convulsions. Call a physician or poison control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media**Suitable extinguishing media**Water spray Carbon dioxide (CO₂) Dry chemical**Unsuitable Extinguishing Media** None.**5.2 Special hazards arising from the substance or mixture****Special Hazard**

Under certain conditions, a fine dust cloud of this material in air may cause a dust explosion if ignited, as when exposed to heat, sparks or open flame.

Hazardous Combustion Products No information available.**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear appropriate respiratory protection and protective clothing as described in Section VIII.

6.2 Environmental precautions

See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up**Methods for Containment** Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.**Methods for cleaning up** Pick up and transfer to properly labeled containers.**7. Handling and storage****7.1 Precautions for safe handling****Advice on safe handling** Use good engineering practices. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.**7.2 Conditions for safe storage, including any incompatibilities****Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.**Materials to Avoid** Strong oxidizing agents. Reacts with finely divided zirconium.**8. Exposure controls/personal protection****8.1 Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Borax Decahydrate	STEL: 6 mg/m ³	-	TWA: 2 mg/m ³	TWA: 1 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³

1303-96-4	inhalable fraction TWA: 2 mg/m ³ inhalable fraction		STEL: 6 mg/m ³	STEL: 3 ppm		STEL: 6 mg/m ³
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8.2 Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas. Personnel may use personal respirators to avoid inhalation of residual monomers or other volatile components which may be present at trace levels.

8.3 Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Use safety glasses. If eye contact is anticipated, wear chemical splash goggles meeting specs of ANSI Standard Z87.1.
- Skin and body protection** Wear chemical resistant gloves and protective clothing which are impervious this product as deemed necessary.
- Respiratory protection** Where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirator should be selected based on the form and concentration of contaminant in air and in accordance with OSHA (29 CFR 1910.134).
- Hygiene measures** See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Solid
Appearance Powder
Color White to cream Pale yellow
Odor No information available
Odor Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		pH 7.0 ± 0.5 @ 20% aqueous solution
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility	readily soluble	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content No information available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

None known based on information supplied.

10.5 Incompatible Materials

Strong oxidizing agents. Reacts with finely divided zirconium.

10.6 Hazardous Decomposition Products

None known based on information supplied.

11. Toxicological information

11.1 Acute toxicity**Numerical measures of toxicity: Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity 80% of the mixture consists of ingredient(s) of unknown toxicity

Oral LD50 3,493.00 mg/kg
Dermal LD50 10,010.00 mg/kg

Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Borax Decahydrate 1303-96-4	3493 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

11.2 Information on toxicological effects**Skin corrosion/irritation**Product Information

- Toxic if absorbed through damaged skin.

Component Information

- No information available

Eye damage/irritationProduct Information

- Liquid or vapor may cause irritation.

Component Information

- No information available

Respiratory or skin sensitizationProduct Information

- Vapor or mist may be irritating to nose, throat and lungs.

Component Information

- No information available

Germ cell mutagenicityProduct Information

- No information available

Component Information

- No information available

CarcinogenicityProduct Information

- The table below indicates whether each agency has listed any ingredient as a carcinogen

Component Information

- There are no known carcinogenic chemicals in this product

Reproductive toxicityProduct Information

- No information available

Component Information

- No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

Other adverse effectsTarget Organs

- Eyes
- Respiratory system
- Skin

Product Information

- Toxic if swallowed
- May cause abdominal pain, nausea, vomiting and diarrhea. Kidney and liver diseases and nerve disorders may be aggravated by exposure to this material.

Component Information

- No information available

Aspiration hazardProduct Information

- No information available

Component Information

- No information available

12. Ecological information

12.1 Toxicity**Ecotoxicity**

No information available

100 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects**12.2 Persistence and degradability**

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste treatment methods

All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

14. Transport Information

DOT

Proper shipping name Shellac Resin

MEX

Proper shipping name Shellac Resin

IMDG

Proper shipping name Shellac Resin

IATA

Proper shipping name Shellac Resin

15. Regulatory information

15.1 International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	-

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

DSL - Canadian Domestic Substances List

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

PICCS - Philippines Inventory of Chemicals and 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

NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. 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

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations

16. Other information

<u>NFPA</u>	Health Hazard 0	Flammability 0	Instability 0	Physical and chemical hazards -
<u>HMIS</u>	Health Hazard 0	Flammability 0	Physical Hazard 0	Personal protection X

Legend:

- ACGIH (American Conference of Governmental Industrial Hygienists)*
- Ceiling (C)*
- DOT (Department of Transportation)*
- EPA (Environmental Protection Agency)*
- IARC (International Agency for Research on Cancer)*
- International Air Transport Association (IATA)*
- International Maritime Dangerous Goods (IMDG)*
- NIOSH (National Institute for Occupational Safety and Health)*
- NTP (National Toxicology Program)*
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
- PEL (Permissible Exposure Limit)*
- Reportable Quantity (RQ)*
- Skin designation (S*)*
- STEL (Short Term Exposure Limit)*
- TLV® (Threshold Limit Value)*
- TWA (time-weighted average)*

Revision Date 30-Jul-2015

Revision Note
No information available

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet