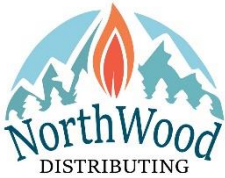


SAFETY DATA SHEET

DATE ISSUED :	6/01/2022



1. PRODUCT AND COMPANY IDENTIFICATION

According to Regulation (EC) No. 1907/2006

PRODUCT NAME: Resin Hardener

PRODUCT RECOMMENDED USE: Resin Hardener

MANUFACTURER

NorthWood Distributing

201 N Meridian Street

Belle Plaine, MN 56011

customercare@northwoodcandle.com

952-679-4058

2. HAZARDS IDENTIFICATION

CLASSIFICATION (REGULATION (EC) No 1272/2008):

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

This product contains bisphenol resin and is slightly irritating to the respiratory tract, skin and eyes.

Eat: hurt your health.

Mistaken into the eyes: Slightly irritating.

Inhalation: People who are exposed to early exposure and prolonged inhalation can irritate the respiratory tract.

Skin contact: Excessive or repeated skin contact with the gel may irritate the skin.

Line of sight contact: no effect

Dangerous for the environment: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

GHS LABEL ELEMENTS (REGULATION (EC) No 1272/2008):

HAZARD PICTOGRAM



SIGNAL WORD: Warning

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EC#	Weight %
Polyoxypropylenediamine	9046-10-0	618-561-0	60% to 70%
1,4-butanediol diglycidyl ether	2425-79-8	219-371-7	30% to 40%

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

SKIN:

Remove contaminated clothing. Wash affected areas with plenty of soap and water. If irritation develops, seek medical attention.

INGESTION:

Rinse mouth with water and obtain medical advice.

INHALATION:

Remove from exposure to fresh air. If breathing has stopped or is difficult, administer artificial respiration and oxygen if available. Seek medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

In the event of a genuine medical emergency, additional information will be revealed to a qualified health professional.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, or other NON-Aqueous material.

UNSUITABLE EXTINGUISHING MEDIA: Do not use the direct water jet on burning material.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE /MIXTURE: Empty containers retain product residue (liquid or vapor) and can be dangerous. Under high temperature, the pressure inside the sealed container will increase. They should be rinsed with water and disposed of properly. Soaked rags or paper may pose a spontaneous combustion hazard in unsealed trash receptacles.

DURING FIREFIGHTING: Water may be ineffective.

HAZARDOUS COMBUSTION PRODUCTS: Information not available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS: Treat as a chemical fire. Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

ADVICE FOR FIREFIGHTERS: Further information: Standard Procedure for chemical fires. Do not inhale fumes in the event of fire or explosion. Use fire-fighting measures appropriate to the local environment and the Victorian environment.

Immediately evacuate personnel to a safe area. To prevent fire water from contaminating the surface water system, fire residues and contaminated fire water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

- Refer to the protective measures listed in Articles 7 and 8.
- Disperse personnel into a safe area.
- Use personal protective equipment.
- Ensure adequate ventilation.

ACCIDENTAL RELEASE MEASURES:

Eliminate all ignition sources. Ventilate Area. Contain spill and absorb spill onto inert material. Place material into a suitable container and dispose of in accordance with local regulations. DO NOT leave soaked rags or paper in unsealed receptacles as spontaneous combustion may sometimes occur under certain circumstances.

ENVIRONMENTAL PRECAUTIONS:

If there is a large amount of gas leaking or entering the waterway, soil or drain, it should be notified to the relevant government departments. Do not allow products to be discharged into the environment uncontrolled.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

- Provide adequate air exchange or exhaust in the workroom.
- Avoid inhalation, ingestion / eye/skin contact for a longtime.
- Anyone with a history of skin allergies or asthma, chronic or recurrent respiratory disease should not use the product in any location.

HANDLING AND STORAGE:

Use splash goggles or face shield when eye contact is possible. Respiratory protection is not generally required, if desired use NIOSH approved organic vapor respirator. Use chemical resistant gloves as needed to avoid prolonged or repeated contact. Store in a cool, dry, well ventilated area away from all sources of heat or flame. Pour out the glue as it cannot go back to the original container.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

CONTROL PARAMETERS:

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

1. Reaction product: bisphenol-A End Use: Workers (epichlorhydrin) and epoxy resin (number average molecular weight < # 700)

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In the case of vapor formation use a respirator with an approved filter Respirator with a vapor filter (EN 141) Apply technical measures to comply with the occupational exposure limits This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.

EYE PROTECTION: Do not wear contact lenses. Safety glasses with side-shields conforming to EN166. Ensure that eyewash stations and safety showers are close to the workstation location.

SKIN PROTECTION: Avoid skin contact. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN374. Wear protective suit.

WORK/HYGIENIC PRACTICES: Good personal hygiene practices should be used. Wash hands after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before using again.

COMMENTS: Avoid contact with skin. Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Transparent

ODOR: Slight amine smell

APPEARANCE: Liquid

FLASH POINT: 199.4°F / 93°C

AUTO-IGNITION TEMPERATURE: Not Determined

BOILING POINT/RANGE: Not Determined

MELTING POINT: Not Determined

VISCOSITY: 1000-2000mPa.s (25 °C)

VAPOUR PRESSURE: Not Determined

DENSITY: 1,03 g/cm³ (25 °C)

SOLUBILITY: Not Determined

PERCENT VOC: Not Determined

SPECIFIC GRAVITY: Not Determined

EVAPORATION RATE: Not Determined

REFRACTIVE INDEX @ 25C: Not Determined

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Data not available.

POSSIBILITY OF HAZARDOUS REACTIONS: Data not available.

CONDITIONS TO AVOID: No dangerous reactions known.

MATERIALS TO AVOID: No dangerous reactions known.

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

REACTIVITY: Data not available,

OTHER INFORMATION

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