

Material Safety Data Sheet

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1. Product Identification and Company Identification

Commercial Product Name: Vinyl Repair Glue

Style Item No: #80B

Company Name: Shin Dorn Co.

48080020

2. Composition and Hazardous components

Polyurethane resin: 15%

Hazardous Components Name	Concentration / Percentag	CAS-No.	Hazaard Symbols
Methyl Ethyl Ketone	35%	78-93-3	3
Acetone	20%	67-64-1	3
Toluene	10%	108-88-3	3
Ethyl Acetate	20%	141-78-6	3

3. Hazards Identification

Eyes: Causes severe eye irritation.

Skin: May cause mild skin irritation.

Inhalation: May be harmful if inhaled. Vapor may cause irritation of nose, throat and lungs.

Ingestion: Harmful if swallowed.

4. Fire Aid Measures

Eyes: Remove contact lenses. Flush with plenty of water or saline for 15 minutes. Get medical aid.

Skin: Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist.

Inhalation: Immediately remove from exposure to fresh air.

Ingestion: If swallowed, avoid prolonged, do not induce vomiting and call a physician immediately.

5. Fire Fighting Measures

Extinguishing Media: Use dry chemical powder, carbon dioxide, or chemical foams.

Protection Equipment: Wear respiratory protection equipment.

Will burn if involved in a fire. Vapors may form an explosive mixture with air. Vapors can travel to source of ignition and flash back

6. Accidental Release Measures

Personal Protection: Wear respirator, rubber gloves, goggles and protective clothing.

Environmental Protection: Prevent entry into the sewage system.

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container.

Wipe up residue with further paper towel and place in container. Wash spill area with soap and water.

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Steps to be taken in case material is released or spilled: Absorb with dry sand or other inert material then transfer to suitable container should follow all regulation or an authorized waste collector in your country.

7. Handling and Storage

Operating Temperature: 40°C-10°C

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale.

Prevent from breathing of vapor or swallowing it.

Use only in well-ventilated area and do not expose container to heat or flame.

Storage: Flammable. Keep away from sources of ignition-- No smoking. Store in a cool, dry, well ventilated area.

Storage Temperature: Max 40°C, Min 5°C and indoor.

Keep away from children.

8. Exposure Controls / Personal protection

Routes of entry: Eyes, ingestion, inhalation, and skin.

Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact.

Hand protection: Respiratory protection required in insufficiently ventilated working area.

Avoid contact with skin and eyes and the inhalation of vapor. Change contaminated or soaked clothing. Wash

Hands before breaks and at end of work.

9. Physical and Chemical Properties

Form	Liquid	Color	Semi-Transparent
Boiling Point(°C)	79.4	Specific Gravity (H ₂ O=1)	0.81
Vapor Pressure(20°C)	77.5/(mm/hg)	Evaporation Rate(E _{ac} =1)	5.72
Vapor Density (Air=1)	2.41	Viscosity(25°C)	Aprox.2500 cps
Stability	Stable	Hazardous Polymerization	Will not occur
Odor	Ketone odor	Solubility in Water	Insoluble
Flash Point (Close cup)	-4.4°C	Flammable Limits	2% ~ 10%

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10. Stability and Reactivity

Stability: Stable at normal temperatures and pressures.

Conditions avoidance: Temperatures over 40°C, ignition sources, and incompatible materials.

11. Toxicological Information

Evaporation of solvents may cause irritation to eyes and mucous membranes.

Solvents may degrease the skin. Prolonged skin contact may cause dermatitis.

May cause allergic reaction in some individuals. Harmful or fatal if snuffed, or swallowed.

Further information: Health injuries are not known or expected under normal use.

12. Ecological Information

Avoid runoff into storms and sewers which lead into waterways.

Slightly water contaminating

Do not flush into surface water or sanitary sewer system.

Waste from residues/ unused products

Can be incinerated, when in compliance with the Environment Protection Act 1900 (Process Guidance Note IPR 5/1) Empty remaining contents. Contaminated packaging.

13. Disposal Information

Dispose of in accordance with all local, provincial, state, and federal regulations.

Empty container: May contain explosive vapors. Do not cut , puncture or weld on or nearby.

Steps to be taken in case material is released or spilled: Absorb with dry sand or other inert material then transfer to suitable container should follow all regulation or an authorized waste collector in your country.

14. Transportation Information

Special Transport Way and Note: Keep away from foodstuffs, acids and alkalis.

Put between 5°C and 40°C. The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation. Non-Regulated.

Declaration for land shipment: Methyl ethyl ketone, ethyl acetate, acetone.

Declaration for sea shipment: Methyl ethyl ketone, ethyl acetate, acetone.

Declaration for shipment by air: Methyl ethyl ketone, ethyl acetate, acetone.

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BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE LITER

DOT Shipping Name: Adhesive

DOT Hazard Class: 3

Identification Number: UN 1133

Packaging Group: II

Label Required: Flammable Liquid

SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE LITER

DOT Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D immersion risks

15. Regulatory Information



F : FACILEMENT
INFLAMMABLE



XI: IRRITANT

Amendments and adaptations:

Symbol: F, hazard description: highly flammable

R11: Highly flammable.

R18: In use , may form explosive/ flammable vapor- air mixtures.

S16: Keep away from sources of ignition- No smoking

S23: Do not breathe vapor / spray.

S33: Take precautionary measures against static discharges.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Classification according to Dangerous Product Regulations incl. - Directive 99/45/CE

VOC 1999/13/EC - 84% w/w

VbF (German Regulation of Flammable Liquids): Class, AI

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 0910.1200)

Avoid contacting with skin, eyes. Prevent form breathing of vapor or swallowing it.

Use only in well-ventilated area and far away from flame and fire.

Keep away from children.

16. Other Information

This material safety data sheet is provided as a information resource only, and correct to the best of our knowledge, information and belief at the data of its publication, given is designed only as guidance for safe handling, use, processing , storage, transportation. The information contained disposal and release and is not to be considered a warranty or quality specification. Before any product is used, the label should be carefully read and the current safety literature and information consulted.