



MATERIAL SAFETY DATA SHEET

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5. FIRE FIGHTING MEASURES

FLASH POINT	- 27°c
AUTOIGNITION TEMPERATURE	375°C
EXPLOSION/ FLAMMABILITY LIMITS	(LEL) 1.1 %, (UEL) 7.4 %
EXTINGUISHING MEDIA	Carbon dioxide, Dry chemical, Foam, Water fog.
SPECIAL FIRE FIGHTING PROCEDURES	1. Wear full protective clothing and self-contained breathing apparatus. 2. Use water spray to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. 3. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Solvents in adhesive are highly inflammable, but dried adhesive is non-flammable.
SPECIAL FIRE FIGHTING PROCEDURES	Dangerous fire hazard when expose to heat or flame. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide, carbon dioxide, and unidentified organic compounds.

6. ACCIDENTIAL RELEASE MEASURES

PROTECTIVE MEASURES	Keep unnecessary people away. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapor or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Ventilate contaminated area thoroughly.
CLEAN UP METHODS	For small liquid spills, take up with sand or other absorbent material. For larger spills, dike for ahead of spill for later disposal.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	Ambient
TRANSPORT TEMPERATURE	Ambient
HANDLING	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may explosively Use only with adequate ventilation. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, electrical tools and appliances and any other sources of ignition.
STORAGE	Keep container tightly closed. Store in cool, dry area away from heat, spark and flame.

บริษัท 3ที อินซูลेशन จำกัด

20/8 หมู่ 10 ต.กาญจนนาภิเษก อ.คลองข่อย จ.ปากเกร็ด จ.นนทบุรี 11120 โทรศัพท์: 02-159-6402 , 02-159-0601-2

Email: sales@3t-insulation.com Website : www.3t-insulation.com Line: @3t-insulation





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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS Follow all local, state, federal and provincial regulations for disposal.

AUTOIGNITION TEMPERATURE Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an exposure hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME CR Adhesive

HAZARD CLASS OR DIVISION 3

IDENTIFICATION NUMBER UN 1133

PACKING GROUP II

15. REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) All components are on the TSCA inventory

RISK PHRASES R11 Highly flammable.

 R20 Harmful by inhalation.

 R38 Irritating to skin.

SAFETY PHRASES S07/09 Keep container tightly closed and in a well ventilated place

 S16 Keep away from sources of ignition - No Smoking.

 S23 Do not breathe gas/ fumes/ vapour/ spray.

 S24/25 Avoid contact with skin and eyes.

 S36 Wear suitable protective clothing.

 S51 Use only in well - ventilated areas.

16. OTHER INFORMATION

MSDS VERSION NUMBER 2

MSDS EFFECTIVE DATE 21.12.2013

MSDS REVISIONS 01

DISCLAIMER

The information and recommendations contained herein are to the best of Bond chemicals knowledge and belief accurate and reliable as of the date indicated. No representation, warranty or guarantee, however, is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use. Appropriate warnings and safe - handling procedures should be provided to handlers and users.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION

RESPIRATORY PROTECTION

Wear a properly fitted organic vapor / particulate respirator approved.

HAND PROTECTION

Wear chemical resistant gloves, impervious neoprene or rubber gloves are recommended.

EYE PROTECTION

Wear chemical splash goggles.

SKIN/BODY PROTECTION

Wear appropriate protective clothing to prevent any possibility of skin contact with this substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Yellow viscous liquid

BOILING POINT

65°c

VAPOR PRESSURE

19 KPa (at 20°C)

VISCOSITY

2,500 - 3,500 cPs.

SOLID CONTENT

17.00 -19.00 %

SPECIFIC GRAVITY

0.846 ± 0.02 g/ml

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS REACTIONS

Will not occur.

CONDITIONS TO AVOID

Avoid contact to heat, spark, flames or other sources of ignition

11. TOXIOLOGICAL INFORMATION

ROUTE OF ENTRY

Inhalation, Skin contact, Eye contact, Ingestion

ACUTE

INHALATION

Vapor concentrations above recommended exposure levels may be irritating to the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects.

SKIN CONTACT

Low order of toxicity. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

EYE CONTACT

Will cause eye discomfort, but will not injure eye tissue.

INGESTION

Minimal toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema

CHRONIC

The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct with skin or eyes. Do not ingest or inhale.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION

Unknown.

BIOTOXICITY

None established.

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