



Material Safety Data Sheet

Supplier : TARKETT INC.
 Street : 1001 Yamaska St. East
 City: Farnham
 Province / State : Quebec
 Postal Code : J2N 1J7

Product : Tarkett Polyurethane
 adhesive 940 part B

Section 1 – Product Identification

Product identifier / Trade name / Material name : Tarkett 940, Part B
Product code / Internal ID: 940 B
Product use or description : Epoxy Curative, Part B
MSDS date: January 03, 2012

Hazardous Materials Identification System (HMIS):

| | | |
|-----------------------------|--|---------------------|
| Health Hazard: | 2 | Chronic hazard : No |
| Flammability : | 1 | Chronic hazard : No |
| Reactivity : | 0 | Chronic hazard : No |
| Personal Protection: | Depends on application and ventilation | Chronic hazard : No |

For 24 HOUR MEDICAL and DOT EMERGENCY RESPONSE COMMUNICATIONS and INFORMATION, PLEASE CALL:
CANUTEC in Canada at (613) 996-6666 or
PROSAR in U.S.A. at 1-800-278-5619.

For technical information, please call the Installation Services Department from Canada and/or from USA at: 1-800-366-2689 option 1 or Fax : (713) 869-5271 Monday through Friday, except holidays.

Section 2 – Chemical Composition / Hazardous Ingredients

| Ingredients | CAS # | % by Weight | OSHA PEL | ACGIH TLV |
|------------------------------------|-------------|-------------|-----------------|-----------------|
| Polyamide | Proprietary | 25-35 | Not established | Not established |
| Polyoxypropylamine triamine | 39423-51-3 | 28-38 | Not established | Not established |
| Tris-(dimethyl-aminomethyl) phenol | 90-72-2 | 26-35 | Not established | Not established |
| Dipropylene glycol dibenzoate | 20109-39-1 | 5-12 | Not established | Not established |

N/Ap: not applicable
 N/Av: not available
 See at the end for abbreviations



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Section 3 – Hazards Identification

Route of entry :

| | |
|---|--|
| Eye contact : | May cause severe irritation. May damage or burn eyes. |
| Skin contact : | Prolonged exposure may cause skin irritation or burns. May cause drying or flaking of skin. Skin absorption of material may cause systemic toxicity. |
| Skin absorption : | Not available |
| Inhalation : | Overexposure may cause severe respiratory tract irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness). Keep exposure below OSHA exposure limits. |
| Ingestion : | Ingestion may cause severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Harmful or fatal if swallowed. Do not ingest |
| Effects of acute exposure to product : | Not available |
| Effects of chronic exposure to product : | Not available |
| Other important hazards : | Not available |

Section 4 – First Aid Measures

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| Eye contact : | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. |
| Skin contact : | Wash with soap and water. Get medical attention if irritation develops or persists. Immediately remove contaminated clothing. |
| Skin absorption : | Not available |
| Inhalation : | Remove to fresh air. Restore breathing if necessary. Get medical attention. This material can cause lung damage. |
| Ingestion : | If swallowed, seek medical attention immediately. |



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Section 5 – Fire Fighting Measures

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| Fire hazards / conditions of flammability : | May release flammable mixtures when temperatures are at or above the flash point. Toxic gasses will form upon combustion. Closed containers may explode when exposed to extreme heat. Vapours are heavier than air and may travel a considerable distance. |
| Means of extinction : | Not available. |
| Flash point and method of determination : | >200°F, >93°C (Tag Closed Cup) |
| Lower flammable limit (% by volume) : | Not applicable |
| Upper flammable limit (% by volume) : | Not applicable |
| Explosion data ; | |
| Sensitivity to mechanical impact : | Not applicable |
| Sensitivity to electrostatic discharge : | Not applicable |
| Oxidizing properties : | Not available |
| Auto-ignition temperature : | Not available |
| Special fire-fighting procedures / equipment : | Respiratory and eye protection required for firefighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used in all indoor fires and any large outdoor fires. |
| Hazardous combustion products : | Carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments, nitrogen oxides, amino compounds. |

Section 6 – Accidental Release Measures

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| Personal precautions : | Wear appropriate protective equipment including respiratory protection as conditions warrant (see section 8). |
| Environmental precautions : | Prevent run-off from entering storm sewers, ditches or waterways. Keep all sources of ignition and hot metal surfaces away from spill. Isolate the danger area and keep out unauthorized personnel. Stop spill if it can be done with minimal risk. Prevent additional discharge of material. Notify the appropriate authorities immediately. Contain spilled liquid with sand, earth or other non-combustible inert absorbent material. Transfer absorbed waste material into properly identified drums. Treat waste material with same precautions as the adhesive. |
| Spill response / Cleanup : | |
| Prohibited materials : | Do not use solvent or flammable liquid to help clean up an accidental release. |

N/Ap: not applicable

N/Av: not available

See at the end for abbreviations



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Section 7 – Handling and Storage

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| Safe handling procedures : | Open container slowly to relieve any pressure. Do not enter confined spaces such as tanks without following proper entry procedures as described in OSHA regulations at 29 CFR 1910.146. Do not breathe vapours. The use of respiratory protection is recommended when airborne concentrations of vapour exceed exposure guidelines. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Wear appropriate protective gloves and clothing to prevent prolonged or repeated skin contact. Avoid contact with eyes. Wash with soap and water before eating, drinking, smoking or using toilet facilities. |
| Storage requirements : | Keep containers tightly closed. Use and store this material in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flames". Store only in approved containers. Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes. |
| Incompatible materials : | Not available |
| Special packaging materials : | Not applicable |

Section 8 – Exposure Controls and Personal Protection

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| Ventilation and engineering controls : | Provide sufficient mechanical ventilation to maintain exposure below TLV(s). The use of local exhaust ventilation is recommended. Provide mechanical ventilation of confined spaces. If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. A NIOSH/MSHA approved air purifying respirator with an organic vapour cartridge may be used under conditions where airborne concentrations are expected to exceed exposure guidelines. Protection provided by air purifying respirators is limited. Refer to respirator manufacturer's selection guide for appropriate respirator for conditions encountered. If in doubt, seek the advice of an industrial hygienist or safety professional for appropriate air purifying respiratory equipment. |
| Respiratory protection : | Use positive pressure air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection. When respiratory protection is used, a respiratory protection program |



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Protective gloves :

meeting OSHA regulations at 29 CFR 1910.134 must be followed.

The use of gloves impermeable to the specific material handled is advised to prevent prolonged or repeated skin contact. Refer to the glove manufacturer's selection guide for appropriate material.

Eye protection :

Approved chemical splash goggles should be worn to safeguard against potential eye contact, irritation or injury. Where splashing is likely to occur, hard hats and face shields may be used to provide additional protection. Eye wash facilities should be available in the work area.

Other protective equipment :

Where splashing is likely to occur, aprons impermeable to the specific material may be worn.

Permissible exposure levels :

Not available

Section 9 – Reactivity and Stability Data

Stability and reactivity (polymerization) :

Keep away from flames and spark producing equipment. Not dangerously unstable. Avoid build-up of static electricity. Hazardous polymerization will not occur.

Conditions to avoid :

Not available

Materials to avoid :

Strong oxidizing agents, strong reducing agents, acids, bases, or unstable chemicals, chloroform, peroxides, sulfur dichloride, strong alkalis, anhydrides, mercaptans, materials that react with amines.

Hazardous decomposition products :

Hazardous decomposition is unlikely to occur, but under fire or extreme heat conditions, carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments, nitrogen oxides and amino compounds can be released.

Section 10 – Physical and Chemical Properties

Physical form, color and odour :

Black liquid with ammonia odour

Odour threshold :

Not available

pH :

Not applicable

Boiling Point :

>260°F, >126°C

N/Ap: not applicable

N/Av: not available

See at the end for abbreviations



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| | |
|---|---------------------------------------|
| Melting Point : | Not applicable |
| Freezing Point : | <32°F, <0°C |
| Solubility in water : | Slightly soluble |
| Coefficient of oil / water distribution : | Not available |
| Specific gravity or relative density (water = 1) : | 1.0 (68°F – 20°C) |
| Vapour pressure : | <1 mm of Hg @ 68°F, 20°C |
| Vapour density (air = 1) : | Heavier than air |
| Volatile organic compounds (VOC's g/L) : | <12 G/L |
| VOC less water less exempt solvent (g/L) : | Not available |
| Evaporation rate : | Slower than butyl acetate/ethyl ether |
| Percentage volatile by volume : | <1% |

Section 11 – Toxicological Information

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| LD₅₀ (species and route) : | Dermal - Rabbit: Polyamide - 550 mg/kg Polyoxypropylamine triamine - 610 mg/kg Tris-(dimethyl-aminomethyl) phenol - 1,242 mg/kg Dipropylene glycol dibenzoate - >2000 mg/kg |
| LC₅₀ (species and route) : | Oral - Rat: Polyamide - 2780 mg/kg Polyoxypropylamine triamine - 220 mg/kg Tris-(dimethyl-aminomethyl) phenol - 1,673 mg/kg Dipropylene glycol dibenzoate - 5,313 mg/Kg |
| Toxicological data : | Liver and kidney damage. May cause corneal opacity. May cause central nervous system depression causing headaches, nausea, and dizziness. |
| Carcinogenicity : | Not suspected as a human carcinogen. |
| Reproductive toxicity : | None known |

N/Ap: not applicable
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|---|---------------|
| Teratogenicity : | None known |
| Mutagenicity : | None known |
| Irritancy of product : | Not available |
| Sensitization to product : | Not available |
| Conditions aggravated by exposure : | Not available |
| Name of toxicologically synergistic products : | Not available |

Section 12 – Ecological Information

| | |
|--|--------------------|
| Environmental effects : | No data available. |
| Important environmental characteristics : | No data available. |
| Aquatic toxicity : | No data available. |

Section 13 – Waste Disposal

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|--------------------------------|--|
| Handling for disposal : | Proper waste disposal is the responsibility of the owner of the waste. |
| Methods of disposal : | Incinerate at an EPA approved facility or dispose of in accordance with all federal, state/provincial and local regulations. |

Section 14 – Transportation Information

Transportation of Dangerous Goods (TDG) information :

| | |
|------------------------|----------------|
| Shipping name : | Not Regulated |
| Class : | Not applicable |
| UN number : | Not applicable |
| Packing group : | Not applicable |

N/Ap: not applicable
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49 CFR information :

Shipping name : Not applicable

Class : Not applicable

UN number : Not applicable

Packing group : Not applicable

International Dangerous Goods information :

IMO : Not applicable

ICAO : Not applicable

Other information :

All packaged material must be labeled in accordance with DOT and OSHA standards.

Section 15 – Regulatory Information

WHMIS information :

Class D, Division 2, Subdivision B - Toxic, Eye and skin irritant
Class E - Corrosive Material

CEPA information :

Not available

TSCA information :

Components of this product are listed on the TSCA inventory.

Section 16 – Others Information

Certificate of origin :

Made in USA

Prepared by :

R & D Department

Telephone number :

(450) 293-3173

Preparation date :

9/29/10

Abbreviations

ACGIH American Conference of Governmental Industrial Hygienists
ASTM American Society for Testing and Materials
CEPA Canadian Environmental Protection Act
CFR Code of Federal Regulations (Transportation in U.S.A.)
IARC International Agency for Research on Cancer

N/Ap: not applicable

N/Av: not available

See at the end for abbreviations

| | |
|--------------|--|
| ICAO | International Civil Aviation Organization |
| IMO | International Maritime Organization |
| MSHA | Mine Safety and Health Administration |
| NBUAC | Normal Butyl Acetate |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program (U.S.A.) |
| OSHA | Occupational Safety and Health Administration (U.S.A.) |
| PEL | Permissible Exposure Limit |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average |
| WHMIS | Workplace Hazardous Materials Information System |
| STEL | Short-Term Exposure Limit |

References

1. Suppliers' raw materials MSDS
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 1998
3. The Sigma-Aldrich Library of Chemical Safety Data, Second Edition, 1988
4. N.Irving Sax, Dangerous Properties of Industrial Materials, 7th Edition, Van Nostrand Reinhold, 1984
5. Health Canada, Reference Manual for the WHMIS Requirements of the Hazardous Products Act and Controlled Products Regulations, updated March 22, 2001.

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| <p>Information on this form is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.</p> |
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