



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 A

Section 1 – Product Identification

Product identifier / Trade name / Material name : Tarkett 940, Part A
Product code / Internal ID: 940 A
Product use or description : Polyurethane adhesive
MSDS date: January 03, 2012

Hazardous Materials Identification System (HMIS):

Health Hazard:	1	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
Polyurethane prepolymer	Proprietary	18-30	Not established	Not established
Alkyl (C12-C14) glycidyl ether	68609-97-2	4-9	Not established	Not established
Diglycidyl bis-phenol A resin	25085-99-8	8-14	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 eyes.
Skin contact :	Prolonged exposure may cause skin irritation. May cause drying or flaking of skin.
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

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

Fire hazards / conditions of flammability :

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. When heated above 250°F (121°C) TDI is released. TDI (toluene diisocyanate) is a carcinogen.

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, phosgene, nitrogen oxides, hydrogen cyanide, toluene diisocyanate (TDI).



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Section 6 – Accidental Release Measures

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.

Section 7 – Handling and Storage

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. 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.
Storage requirements :	
Incompatible materials :	Not available
Special packaging materials :	Not applicable



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Section 8 – Exposure Controls and Personal Protection

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 meeting OSHA regulations at 29 CFR 1910.134 must be followed.

Protective gloves :

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



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Section 9 – Reactivity and Stability Data

Stability and reactivity (polymerization) :	Keep away from flames and spark producing equipment. Not dangerously unstable. When heated above 250°F (121°C) TDI is released. TDI is a carcinogen. 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, nitric compounds, peroxides, sulfur dichloride, strong alkalis. Hazardous decomposition is unlikely to occur, but under fire or extreme heat conditions, carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments, phosgene, nitrogen oxides, hydrogen cyanide, and toluene diisocyanate (TDI) can be released.
Hazardous decomposition products :	

Section 10 – Physical and Chemical Properties

Physical form, color and odour :	Thick beige liquid with low odour
Odour threshold :	Not available
pH :	Not applicable
Boiling Point :	>400°F, >204°C
Melting Point :	Not applicable
Freezing Point :	<32°F, <0°C
Solubility in water :	Not soluble
Coefficient of oil / water distribution :	Not available
Specific gravity or relative density (water = 1) :	1.4 (68°F – 20°C)
Vapour pressure :	<1 mm of Hg @ 68°F, 20°C
Vapour density (air = 1) :	Heavier than air

N/Ap: not applicable

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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

LD₅₀ (species and route) :	Dermal - Rabbit: Polyurethane prepolymer - Not available Alkyl (C12-C14) glycidyl ether - >4,500 mg/kg Diglycidyl bisphenol A resin - 20,000 mg/kg Oral - Rat:
LC₅₀ (species and route) :	Polyurethane prepolymer - >5,000 mg/kg Alkyl (C12-C14) glycidyl ether - 19,200 mg/kg Diglycidyl bisphenol A resin - >5,000 mg/kg Liver and kidney damage. May cause corneal opacity. May cause central nervous system depression causing headaches, nausea, and dizziness.
Toxicological data :	
Carcinogenicity :	Not suspected as a human carcinogen.
Reproductive toxicity :	None known
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



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Section 12 – Ecological Information

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

Section 13 – Waste Disposal

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
49 CFR information :	
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Class :	Not applicable
UN number :	Not applicable



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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 A - Very toxic Class D, Division 2, Subdivision B - Toxic, Eye and skin irritant
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
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

N/Ap: not applicable

N/Av: not available

See at the end for abbreviations

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.

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.