

Material Safety Data Sheet

Distributor : Tarkett Inc.
 Street : 1001 Yamaska Street East
 City : Farnham
 Province / State : Quebec, Canada
 P.O. Box : J2N 1J7

Product :
**DT-65™ Low Gloss
 Seam Sealer Part A**

Section 1 – Product Identification

Product identifier / Trade name / Material name : DT-65™ Low Gloss Seam Sealer Part A
Product code / Internal ID : Part A of 113DT65
Product use or description : Seam Sealer
MSDS date : October 28, 2004.

Hazardous Materials Identification System (HMIS):

Health Hazard :	2*	Chronic hazard :	Yes
Flammability :	3	Chronic hazard :	No
Reactivity :	0	Chronic hazard :	No
Personal Protection:	N/Av	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 1-800-228-5635 extension 079.**

For information, please call the Installation Services ;
 from **Canada** at 1-800-363-9276 Fax: (450) 293-8240
 from **U.S.A.** at 1-888-639-8275 Fax: (610) 266-5641
 Monday through Friday, except holidays.

Section 2 – Chemical Composition / Hazardous Ingredients

Ingredients	CAS #	% by Weight	OSHA PEL	ACGIH TLV
Dimethyl adipate	627-93-0	2.0	N/Av	N/Av
Dimethyl glutarate	1119-40-0	10%	N/Av	N/Av
Methylene bis (4-cyclohexylisocyanate)	5124-30-1	2.0%	N/Av	0.005 ppm (TWA)
Tetrahydrofuran	109-99-9	50%	200 ppm (TWA)	200 ppm (TWA)
Toluene	108-88-3	10%	200 ppm (TWA) 300 ppm (Ceiling)	50 ppm (TWA) Skin

Section 3 – Hazards Identification

Route of entry ;

Eye contact :	Causes eye irritation.
Skin contact :	May cause skin sensitization. May cause dermatitis. Causes skin irritation.
Skin absorption :	May be absorbed through the skin.
Inhalation :	Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. Allergic conditions can occur in certain individuals with high sensitivity to isocyanates; this may result in asthma-like symptoms. May cause respiratory sensitization. May cause lung damage.
Ingestion :	Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Effects of acute exposure to product : N/Av

Effects of chronic exposure to product: May cause liver or kidney damage. Repeated or prolonged solvent overexposure may result in permanent central nervous system damage. May cause long-term lung damage. Chronic skin contact may cause dermatitis.

Other important hazards : Allergic conditions can occur in certain individuals with high sensitivity to isocyanates; this may result in asthma-like symptoms.

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Section 4 – First Aid Measures

Eye contact : Flush eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

Skin contact : Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

Skin absorption : N/Av

Inhalation : Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion : If swallowed, do not induce vomiting. Give victim one or two glasses of water or milk. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Fire hazards / conditions of flammability : Extremely flammable liquid and vapor.

Means of extinction : Carbon dioxide, dry chemical, foam, water fog

Flash point and method of determination : 1F, -17C (Setaflash Closed Cup)

Lower flammable limit (% by volume) : 1.20

Upper flammable limit (% by volume) : 11.80

Explosion data ;

Sensitivity to mechanical impact : N/Av

Sensitivity to electrostatic discharge : N/Av

Oxidizing properties : N/Av

Auto-ignition temperature : N/Av

Special fire-fighting procedures / equipment: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Hazardous combustion products : Monomeric isocyanates, traces of hydrogen cyanide, nitrogen dioxide. Carbon monoxide, carbon dioxide.

Section 6 – Accidental Release Measures

Personal precautions : Avoid breathing vapors. Use self-contained breathing equipment. Avoid contact. Before attempting clean-up, refer to hazard caution information in other sections of the form.

Environmental precautions: Keep non-essential personnel a safe distance away from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Notify appropriate authorities if necessary.

Spill response / Cleanup : Contain and remove with inert absorbent material and non-sparking tools.

Prohibited materials : N/Av

Section 7 – Handling and Storage

Safe handling procedures : Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

Storage requirements : Do not store or use near heat, sparks, or open flame. Refer to OSHA 29CFR Part 1910.10, Flammable and Combustible Liquids, for specific storage requirements. Store only in well-ventilated areas. Do not puncture, drag or slide container. Keep container closed when not in use.

Incompatible materials : Amines, acids, water, hydroxyl, or active hydrogen compounds.

Special packaging materials: N/Av

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

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Section 8 – Exposure Controls and Personal Protection

Ventilation and engineering controls:	Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.
Respiratory protection :	This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH/MSHA approved supplied-air respirator is required. Observe OSHA regulations (29CFR 1910.134) for respirator use.
Protective gloves :	Use neoprene, nitrile, or rubber gloves to prevent skin contact.
Eye protection :	Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.
Other protective equipment :	Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse. When spray-applying this material and exposure to overspray may occur, impervious protective clothing, including head covering and facemask, gloves, and overshoes are recommended.
Permissible exposure levels :	Refer to Section 2.

Section 9 – Reactivity and Stability Data

Stability and reactivity (polymerization) :	This product is stable under normal storage conditions.
Conditions to avoid :	High temperatures, sources of ignition.
Materials to avoid :	Amines, acids, water, hydroxyl, or active hydrogen compounds.
Hazardous decomposition products :	Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide. Carbon monoxide, carbon dioxide.

Section 10 – Physical and Chemical Properties

Physical form, color and odor :	Clear liquid, solvent odor
Odor threshold :	N/Av
pH :	N/Av
Boiling Point :	66-111
Melting Point :	N/Av
Freezing Point :	N/Av
Solubility in water :	Insoluble
Coefficient of oil / water distribution :	N/Av
Specific gravity or relative density (water = 1) :	0.99
Vapour pressure :	N/Av
Vapour density (air = 1) :	Is heavier than air
Volatile organic compounds (VOC's g/L) :	556 grams/ltr
VOC less water less exempt solvent (g/L) :	556 grams/ltr
Evaporation rate :	Is slower than ether
Percentage volatile by volume :	62.8%

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Section 11 – Toxicological Information

LD₅₀ (species and route) :	N/Av
LC₅₀ (species and route) :	N/Av
Toxicological data :	N/Av
Carcinogenicity :	N/Av
Reproductive toxicity :	N/Av
Teratogenicity :	N/Av
Mutagenicity :	N/Av
Irritancy of product :	N/Av
Sensitization to product :	Potential for respiratory and skin sensitization.
Conditions aggravated by exposure :	Isocyanate sensitivity
Name of toxicologically synergistic products :	N/Av

Section 12 – Ecological information

Environmental effects :	No information
Important environmental characteristics :	No information
Aquatic toxicity :	No information

Section 13 – Waste Disposal

Handling for disposal :	Refer to Section 7
Methods of disposal :	Disposal should be done in accordance with Federal, Provincial and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Section 14 – Transportation Information

Transportation of Dangerous Goods (TDG) information ;	
Shipping name :	Paint
Class :	3
UN number :	UN1263
Packing group :	II
49 CFR information ;	
Shipping name :	Paint
Class :	3
UN number :	UN1263
Packing group :	II
International Dangerous Goods information ;	
IMO :	N/Av
ICAO :	N/Av
Other information :	N/Av

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Section 15 – Regulatory Information

WHMIS information : B2,D1A,D2B
CEPA information : All components in this product are on the Canadian DSL.
TSCA information : The chemical substances in this product are on the TSCA Section 8 Inventory.

Section 16 – Others informations

Certificate of origin : Made in USA
Prepared by : R & D Department
Telephone number : (450) 293-3173
Preparation date : October 28, 2004.

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
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.