



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
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SECTION 1

Order Code: 964235 805

Product Name: DECKTITE 235 GS GUN GRADE SEALANT
Chemical Name:
Chemical Family: Sealant
Product Code: 964-235
MSDS Preparer: R. A. MIKOL
Date Prepared: 26-MAY-00
Replaces Date: 11-JAN-95

Section 2 - Molecular Composition

Table with 4 columns: Common Name and Chemical Name, Exposure Limits, Weight %, CAS Number. Rows include CALCIUM CARBONATE (LIMESTONE), POLYURETHANE POLYMER, HEAVY NAPHTHENIC DISTILLATE, STODDARD SOLVENT (MINERAL SPIRITS), CASTOR OIL, MODIFIED, TOLUENE (METHYLBENZENE), CRYSTALLINE SILICA (QUARTZ), and DI(2-ETHYLHEXYL) ADIPATE (DOA).

Section 3 - Hazards Identification

Emergency Overview:
White paste. If inhaled can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system. Leave area to breathe fresh air.
Avoid further exposure. If symptoms persist, get medical attention.

Potential Hlth Effect/Rte of Entry:

Inhalation:
Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.
Eyes:
Can cause irritation.
Ingestion:
Can cause gastrointestinal irritation.
Skin:
Can cause irritation.

Aggravated Medical Conditions:

Pre-existing eye, skin, respiratory, and liver disorders may be aggravated by exposure.

Acute Health Effects:

See effects described above.

Chronic Health Effects:

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Prolonged or repeated contact/exposure to toluene may cause defatting, drying, cracking, irritation, and burns of the skin, CNS effects described above, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney, and respiratory tract damage. Maybe harmful to the human fetus based on animal tests and limited epidemiology data. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause the defatting, irritation, dermatitis, narcotic and CNS effects described above, liver effects, and jaundice. Kidney and lung effects have been noted in some animal species. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Low doses of DOA did not produce tumors or liver disease. Long term, high level oral dosing of laboratory mice with dioctyl adipate caused liver disease, including tumors, and reduced ability to reproduce. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Section 4 - First Aid Measures

Inhalation:

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Eyes:

Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion:

Get medical attention immediately.

Skin:

Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Notes to Physician:

N/A

Section 5 - Fire Fighting Measures

Flash Point: N/A

Method: N/A

Lower Flammability Limit: Not Established

Upper Flammability Limit: Not Established

Autoignition Temperature: Not Established

Extinguishing Media:

If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Fire and Explosion Hazards:

Not Applicable

Special Fire Fighting Procedures:

During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

Fire Fighting Equipment: N/A

Other Precautions:

Hydrocyanic acid, oxides of nitrogen can form.

Section 6 - Accidental Release Measures

Release Response Overview:

Remove sources of ignition immediately. Ventilate to reduce the airborne contaminant concentration below the exposure limit in Section 2 of the MSDS. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

Section 7 - Handling and Storage

Handling and Storage Precautions:

Store in closed container below 80 F. Keep product and vapor away from heat, sparks and flame. Do not store in direct sunlight. Prevent inhalation of vapor, ingestion and contact with skin and eyes. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled

workclothes frequently. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

Section 8 - Exposure Controls/Personal Protection

Respiratory:

Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor respirator when the vapor concentration exceeds the exposure limits indicated in Section 2. Follow manufacturer's directions for respirator use.

Skin:

Protect hands with impervious rubber gloves and wear typical full cover clothing. Prevent contact with skin.

Eyes:

Wear suitable safety eyewear.

Face:

Not required.

Engineering:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit in Section 2 of the MSDS.

Section 9 - Physical and Chemical Properties

Odor/Appearance:	SOLVENT/WHITE PASTE
Color:	WHITE
Physical State:	Paste
pH:	N/A
Vapor Pressure:	Not Established
Vapor Density:	>1
Boiling Point:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility in Water:	Negligible
Specific Gravity:	1.2
% Volatile Weight:	10.0

Section 10 - Reactivity/Stability

Stability:

Stable

Incompatible Products:
Avoid contact with strong oxidizing agents.
Conditions to Avoid Polymerization:
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Eyes:	SEE SECTION 3
Ingestion:	" " "
Inhalation:	" " "
Skin:	" " "
Subchronic:	" " "
Chronic:	" " "

Section 12 - Ecological Information

Ecotoxicological Data:	N/A
Chemical Fate:	N/A

Section 13 - Disposal Considerations

RCRA Class:	N/A
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Disposal Method:
Not regulated by RCRA. Dispose of in compliance with state and local regulations.

EPA Reportable Quantities

N/A

Section 14 - Transportation Data

DOT Shipping Name:	FLAMMABLE LIQUIDS, CORROSIVE. N.O.S. (XYLENE, POLYAMINES) CLASS 3, UN2924, PG III "LTD.QTY"
DOT Hazard Class:	FLAMMABLE & CORROSIVE
DOT Label:	FLAMMABLE, CORROSIVE LIQ.
UN/NA Number:	UN2924
Packing Group:	III
Special Provisions:	
Packaging	

Exceptions:	173.150
Non-Bulk:	
Bulk:	

Quantity Limitations

Passenger Aircraft or Railcar:	
Cargo Aircraft:	

Vessel Stowage Requirements

Vessel Stowage:	
Other Stowage:	

Transportation Notes: N/A

Section 15 - Regulatory Information

TSCA Status:	On the TSCA Inventory
OSHA Status:	Considered hazardous based on the following criteria:
Irritant	
Sensitizer	

Target Organs

Liver
Kidney
Nerve
Reproductive
Lung
Skin
Eye

OSHA Hazardous Components	CAS Number
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CALCIUM CARBONATE (LIMESTONE)	1317-65-3
* CRYSTALLINE SILICA (QUARTZ)	14808-60-7
DI(2-ETHYLHEXYL) ADIPATE (DOA)	103-23-1
STODDARD SOLVENT (MINERAL SPIRITS)	8052-41-3
TOLUENE (METHYLBENZENE)	108-88-3
* - CHEMICAL IS LISTED AS AN IARC, NTP, OSHA, or ACGIH CARCINOGEN	

Compliance Quantities

N/A

SARA 311 Ratings

Immediate Health Hazard: Y
Delayed Health Hazard: Y
Fire Hazard: Y
Reactivity Hazard: N
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients	CAS Number
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TOLUENE (METHYLBENZENE)	108-88-3

Proposition 65 Ingredients

Chemicals known to the State of California to cause cancer,
birth defects and/or other reproductive harm. CAS Number

CRYSTALLINE SILICA (QUARTZ) 14808-60-7
TOLUENE (METHYLBENZENE) 108-88-3

Section 16 - Other Information

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.
THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION
OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE
REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE
CONDITION.