

Material Safety Data Sheet

Revision Date 06-Jul-2010

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DN4760
Product name GROOVY
Recommended Use Sealant

Supplier Drummond American
A Lawson Products Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Combustible material. Irritant. Contains isocyanates .

Aggravated Medical Conditions

Pre-existing respiratory conditions may be aggravated by exposure to this product. Pre-existing skin conditions may be aggravated by exposure to this product.

Principal Routes of Exposure

Eyes. Skin. Ingestion. Inhalation.

Potential health effects

Eyes Severe irritation. Redness. Tearing. Blurred vision.

Skin Prolonged skin contact may defat the skin and produce dermatitis. Repeated or prolonged exposure may cause:. Skin Irritation. Redness. Sensitization. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Inhalation Harmful by inhalation. Headaches. Dizziness. Nausea. Fatigue. Vomiting. Central nervous system depression. Narcosis. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal. Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapor or spray mist. .

Ingestion Irritating to mouth, throat and stomach. Gastrointestinal irritation. Nausea. Vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Stoddard solvent	8052-41-3	5-10
Toluene diisocyanate	26471-62-5	5-10

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Skin contact Remove and wash contaminated clothing before re-use. Wash area thoroughly with soap and water. Seek medical attention if irritation persists.

Ingestion Do not induce vomiting without medical advice. Drink plenty of water. Keep head below hips if vomiting occurs. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation Remove from exposure. Artificial respiration and/or oxygen may be necessary. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C 62.78
Flash point °F 145
Method Tag Closed Cup

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)

Upper 9.5
Lower 0.9

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Water fog.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards

Combustible liquid. Vapors may form explosive mixture in air between upper and lower explosive limits which can be ignited by many sources, such as pilot lights, open flames, electrical motors and switches. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Flash back possible over considerable distance. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat . Water or foam may cause frothing.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Ventilate area to maintain exposure below permissible exposure limits. Eliminate all sources of ignition. Evacuate area of unprotected and unnecessary personnel. Shut off source of leak if safe to do so. Dike or dam large spills. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE**Handling**

Ensure adequate ventilation. Keep out of reach of children. Take precautionary measures against static discharges. Ground and bond containers when transferring material.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Toluene diisocyanate	-	-	0.005 ppm	0.02 ppm
Stoddard solvent	2900 mg/m ³ 500 ppm	-	100 ppm	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand Protection

For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

Wear appropriate clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Various
Odor	Solvent
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	1.10
Vapor pressure	No data available
Vapor density	>Air
Evaporation Rate	<1 (Butyl Acetate = 1)
Water solubility	Slightly soluble
VOC Content	104 g/l
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	86.11-251.11
Boiling point/range °F	187-484
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	62.78
Flash point °F	145

10. STABILITY AND REACTIVITY**Stability**

Stable under recommended storage conditions.

Conditions to avoid

Avoid extreme heat. Heat, flames and sparks.

Incompatibility

Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Toluene diisocyanate</i> 26471-62-5	3360 mg/kg	10000 mg/kg	0.1 mg/L 13.9 ppm 66 ppm
<i>Stoddard solvent</i> 8052-41-3	-	-	-

Synergistic Products

None known

Specific Hazards

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.

Potential health effects

Sensitization	None known
Chronic toxicity	See Section 2 .
Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	Impaired lung function (reduced ventilation capacity) has been associated with overexposure to isocyanates. Long term exposure to vapor may cause kidney damage. Long term exposure to vapor may cause liver damage.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Toluene diisocyanate	Listed	Group 2B	Not Listed	Listed	Listed
Stoddard solvent	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
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Toluene diisocyanate	Listed
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Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Toluene diisocyanate	Not Listed	Listed	Carcinogen
Stoddard solvent	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Toluene diisocyanate	X	X	-	X
Stoddard solvent	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 2
Flammability - 2
Physical Hazard - 0

Prepared By

H. Buck, Regulatory Affairs Manager

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.