



DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

Material Safety Data Sheet

Date Prepared 8/2/2010

SECTION I - IDENTIFICATION	HAZARD RATING	Health	2
	0 = Least	Flammability	1
	1 = Slight 2 = Moderate	Reactivity	0
	3 = High 4 = Extreme	Personal Protection	E
IDENTITY (As Used on Label)		Tire Mark Remover	
COMMON NAME		Limonene-based cleaner	

SECTION II - PRODUCT COMPONENTS	CAS.#	OSHA PEL	ACGIH TLV
Triethanolamine Sulfonate	27323-41-7	N.E. ¹	N.E.
Ethoxylated Alcohol	68439-45-2	N.E.	N.E.
Limonene	5989-27-5	N.E.	N.E.
Sodium EDTA	54-02-8	N.E.	N.E.
TPM Glycol Ether	25498--49-11	N.E.	N.E.

¹Not Established

T.S.C.A. Status - O.K. on all components

FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	>212°F	Specific Gravity (H2O = 1)	1.0
Vapor Pressure (mm Hg)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0.1
Volatile Organic Compounds	Zero g/L		
Solubility in Water	Complete		
Appearance and Odor	Clear yellow liquid, Citrus Odor		

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	185°F	Flammable Limits	LEL	UEL
			NA	NA

Extinguishing Media Water Fog, Dry Chemical, CO₂, Foam.

Special Firefighting Procedures

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals

Unusual Fire and Explosion Hazards

The following hazard combustion products may result if there is a fire are
Carbon Monoxide, Carbon Dioxide, Sulfur Dioxide, and Hydrogen Sulfide.

SECTION V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Heat, Sparks, Flame
Incompatibility (Materials to Avoid)		Strong Oxidizing Agents and Cyanides	
Hazardous Decomposition or Byproducts		Carbon Monoxide, Carbon Dioxide, Sulfur Dioxide, Hydrogen Sulfide	
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None Known

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

Signs and Symptoms of Exposure	Nausea, diarrhea, asthmatic response, eye irritation, skin sensitization
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Health Hazards (Acute and Chronic)

Eye: Causes eye irritation. Direct contact with liquid causes burning, tearing, and redness.

Skin: May cause irritation. Prolonged or repeated exposure may cause redness and burning, dry/cracking of the skin.

Inhalation: Excessive concentrations of vapors may cause irritation of the nose and throat.

Ingestion: Liquid is slightly toxic and may be harmful if swallowed.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NA	NA	NA

Medical Conditions Generally Aggravated by Exposure	Skin, asthma conditions
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Emergency and First Aid Procedures

EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.

SKIN- Promptly wash with soap and water. Do not wash with solvents. Seek medical advice if irritation develops or persists.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

INGESTION - Get medical attention immediately. Never give liquids to an unconscious or convulsing person. Do not induce vomiting

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

Provide adequate exhaust ventilation and/or NIOSH approved cartridge respirator.

Ventilation	Local Exhaust	If needed.	Special	None Known.
	Mechanical	Adequate exhaust ventilation must exhaust AWAY from applicator.		

Protective Gloves	Natural or Neoprene gloves.	Eye Protection	Splash goggles or face shield.
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Other Protective Clothing or Equipment

Eyewash station in work area. Avoid creating aerosol. Keep out of reach of children.

Work/Hygienic Practices	Enforce careful handling to prevent splashing. Wash thoroughly after use.
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SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled

For small spills, flush to waste treatment sewer (product is biodegradable). For larger spills, contain and collect for reuse.

Waste Disposal Method

Dispose in accordance with Federal, State and Local requirements.

Precautions to be Taken in Handling and Storing

Keep containers tightly closed when not in use.

Other Precautions	None Known.
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Prepared by	Samet Dy - Urethane Chemist
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PLEASE**NOTE**

"The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."