



DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

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

Material Safety Data Sheet

Date Prepared 8/2/2014

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

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, CO ₂ , 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

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

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.

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.

Prepared by Murty Bhamidipati - Chemist

PLEASE

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