

Tire Mark Remover SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Tire Mark Remover

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108

Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: November 6, 2014

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Aspiration Toxicity Category 1 Skin Irritation Category 2 Eye Damage Category 1 Skin Sensitization Category 1 Specific Target Organ Toxicity Repeat Exposure Category 2

Labeling:

Danger!



Hazard statement(s)

May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary statement(s)

Do not breathe mist, vapors or spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, protective clothing and eye protection.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue

rinsing.
Immediately call a POISON CENTER or doctor.
IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting.
Get medical attention if you feel unwell.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Citrus Terpenes	94266-47-4	5-10%
Ethoxylated Alcohol	6855112-2	5-10%
Tripropylene Glycol Methyl Ether	25498-49-1	5-10%
Surfactant Blend	Proprietary	5-10%
Tetrasodium EDTA	64-02-8	1-5%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. If irritation occurs or breathing is difficult, get medical attention.

Skin contact: Remove contaminated clothing. Wash with soap and water. If irritation or rash develops, get medical attention.

Eye contact: Immediately flush with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists.

Ingestion: If conscious, rinse mouth with water. DO NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Causes eye and skin irritation. May cause allergic skin reaction. Inhalation of vapors or mists may cause upper respiratory tract irritation. Harmful or fatal if swallowed. Aspiration during swallowing or vomiting may cause lung damage.

Indication of immediate medical attention and special treatment, if necessary: If eye contact occur, get immediate medical attention. If swallowed, get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use water spray, foam, carbon dioxide and dry chemical.

Specific hazards arising from the chemical: Combustion may produce oxides of carbon, nitrogen and sulfur.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent. Place into an appropriate container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities: Store in a cool, well-ventilated area. Protect from physical damage. Store away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Citrus Terpenes	30 ppm TWA Manufacturer Limit
Ethoxylated Alcohol	None Established
Tripropylene Glycol Methyl Ether	None Established
Surfactant Blend	None Established
Tetrasodium EDTA	None Established

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure below occupational exposure limits.

Personal Protective Equipment:

Respiratory protection: If the exposures are excessive, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin protection: Wear impervious gloves such as butyl rubber or nitrile.

Eye protection: Chemical safety goggles recommended.

Other: Impervious clothing as needed to prevent contact. An eye wash and safety shower should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Clear, orange or yellow liquid

Odor: Citrus odor

Odor threshold: Not available	pH: 5.3
Melting Point/Freezing Point: 0 °F (32 °C)	Boiling Point: >212°F (>100°F)
Flash point: >201°F (>94°C)	Evaporation rate: Not available

Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not available	UEL: Not available
Vapor pressure: Not available	Vapor density: Not available
Relative density: 1.0	Solubility(is): Appreciable
Partition coefficient: n-Octanol/water: Not applicable	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: May react with nitrates forming nitrosamines.

Chemical stability: Stable.

Possibility of hazardous reactions: Do not add nitrites. May form suspected cancer causing nitrosamines.

Conditions to avoid: None known.

Incompatible materials: Avoid contact with oxidizing agents.

Hazardous decomposition products: Thermal decomposition may produce carbon, nitrogen and sulfur.

11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of mists may cause mucous membrane and upper respiratory tract irritation, coughing sneezing and difficulty in breathing. .

Ingestion: Swallowing may cause gastrointestinal irritation, nausea and diarrhea. Aspiration during swallowing or vomiting may cause lung damage.

Skin contact: May cause skin irritation with redness, itching and pain. May cause allergic skin reaction (sensitization).

Eye contact: May cause severe irritation with redness, tearing and pain. Permanent damage may occur.

Chronic effects from short- and long-term exposure: In a 90 day inhalation study, rats exposed to 0.5, 3 and 15 mg/m³ of Tetrasodium EDTA for 6 hr/days. Animals of in the 3 and 15 mg/m³ groups revealed minimal to slight increased numbers of alveolar histiocytes. These histiocytes showed an eosinophilic cytoplasm, occasionally with clear vacuoles and were located as single cells within the alveoli all over the lung lobes. When compared to the control animals, males and females of the 15 mg/m³ group showed a minimal to slight increase in number of mucous cells in the large bronchi. These findings were regarded to be treatment related effects and adaptive.

Reproductive Toxicity: This product is not expected to cause adverse reproductive or developmental effects.

Sensitization: None of the components cause sensitization in studies with animals or humans.

Mutagenicity: This product is not expected to cause mutagenic activity.

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values: No toxicity data for the product.

Acute Toxicity Estimate for the product: Oral: 3934 mg/kg, Dermal: 37769 mg/kg, Inhalation: 150 mg/L/4 hr
Citrus Terpenes: Oral rat LD50 > 5000 mg/kg, Dermal rabbit LD50 >5000 mg/kg. (structurally similar chemical)

Ethoxylated Alcohol: No toxicity data available.

Tripropylene Glycol Methyl Ether: Oral rat LD50 3500 mg/kg, Dermal rabbit LD50 15440 mg/kg

Surfactant Blend: No toxicity data available.

Tetrasodium EDTA: Oral rat LD50 1780 mg/kg, Inhalation rat LC50 1.5 mg/L/4 hr (point value)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Citrus Terpenes: 96 hr LL50 Danio rerio 5.65 mg/L, 48 hr EL50 Daphnia magna, 1.1 mg/L, 72 hr EL50

Desmodesmus subspicatus 150 mg/L (structurally similar chemical)

Ethoxylated Alcohol: 96 hr LC50 Danio rerio <1 mg/L, 48 hr EC50 daphnia magna <1 mg/L, 72 hr EC50

Scenedesmus subspicatus <1 mg/L

Tripropylene Glycol Methyl Ether: 96 hr LC50 Pimephales promelas 11619 mg/L, 48 hr LC50 daphnia magna > 10000 mg/L, 72 hr EC50 Selenastrum capricornutum 21010 mg/L (calculated)

Surfactant Blend: No data available.

Tetrasodium EDTA: 96 hr LC50 Lepomis macrochirus >88 mg/L, 24 hr EC50 daphnia magna 625 mg/L

Persistence and degradability: Citrus terpenes is inherently biodegradable. Tripropylene glycol methyl ether is readily biodegradable,

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated			None
TDG	None	Not Regulated			None
IMDG	UN 3082	Environmentally hazardous substances, liquid, n.o.s. (Ethoxylated Alcohol)	9	PG III	Marine Pollutant
IATA	UN 3082	Environmentally hazardous substances, liquid, n.o.s. (Ethoxylated Alcohol)	9	PG III	Yes

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects):

Sulfur Dioxide	7746-09-5	trace	developmental
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EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

Canadian CEPA: All of the ingredients in this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Class D Division 2 Subdivision B (Toxic Material Causing other Toxic Effects)

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 0 Instability = 0
HMIS Rating: Health = 2 Flammability = 0 Physical Hazard = 0

SDS Revision History: Converted to GHS format. All sections revised.
Date of preparation: November 6, 2014
Date of last revision: New SDS

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 USE.