



MATERIAL SAFETY DATA SHEET (MSDS)

Orang-a-Tang

Multi-Use Solvent

Degreasers

| SECTION I ▶ PRODUCT IDENTIFICATION | | | | | |
|---|--------------|-------------------------|---|--------------------------------------|--|
| Product Name | | Product Type | | WHMIS Classification | |
| Orang-a-Tang | | Multi-Use Solvent | | D2B, B3 | |
| SECTION II ▶ HAZARDOUS INGREDIENTS | | | | | |
| Chemical Name | | Cas Registry No. | % | Toxicity | |
| Heavy Naphtha Hydrotreated | | 64742-48-9 | 60-100 | TLV 300 ppm | |
| d-limonene | | 5989-27-5 | 10-30 | TLV 150 ppm | |
| SECTION III ▶ PHYSICAL DATA | | | | | |
| Appearance | Odour | pH | Boiling Point | Specific Gravity | Solubility in Water |
| Clear colourless liquid | Scented | N/A | 176 °C | 1.0 | 100 % |
| SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA | | | | | |
| Flash Point (Method Used) (°C): 50 TCC | | | Extinguishing media: Co2, foam, dry chemical | | |
| Special fire fighting procedures: treat as a solvent fire. Use self-contained breathing apparatus | | | | | |
| Unusual fire and explosion hazards: Vapours are heavier than air and may travel to ignition sources at locations distant from material handling point. | | | | | |
| SECTION V ▶ TOXICOLOGICAL PROPERTIES | | | | | |
| HAZARD RATING: Health = 2 Flammability = 2 Reactivity = 0 | | | | | Rating System 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme |
| Swallowing: Gastrointestinal irritation, vomiting, diarrhea | | | | | |
| Inhalation: Nasal irritation, dizziness, weakness, headache | | | | | |
| Skin Absorption: Unknown | | | | | |
| Skin Contact: Moderate irritation, defatting dermatitis | | | | | |
| Eye Contact: Severe irritation, tearing, blurred vision | | | | | |
| Special Warning: None | | | | | |
| SECTION VI ▶ FIRST AID MEASURES | | | | | |
| Ingestion: Do not induce vomiting. Keep patient warm and quiet. Call a physician. | | | | | |
| Inhalation: Provide fresh air. If breathing is difficult, administer oxygen. Call a physician. | | | | | |
| Skin: Flush with water for 15 minutes. Remove and launder contaminated clothing. | | | | | |
| Eyes: Flush with water for at least 15 minutes. Call a physician. | | | | | |
| SECTION VII ▶ REACTIVITY DATA | | | | | |
| Stable: Yes | | | | | |
| Conditions to avoid: none | | | | | |
| Incompatibility with other materials: Strong oxidizing agents | | | | | |
| Hazardous decomposition products: Carbon monoxide, carbon dioxide | | | | | |
| Hazardous polymerization: Will not occur. | | | | | |
| SECTION VIII ▶ PREVENTIVE MEASURES | | | | | |
| Hand protection: Yes (Wear chemical resistant gloves) | | | | | |
| Eye protection: Yes (Wear safety glasses with strong shield) | | | | | |
| Ventilation: General | | | | | |
| Respiratory protection: Use air supplied respirator in confined spaces. | | | | | |
| Other protective equipment: If spillage occurs, use chemical resistant apron and boots. | | | | | |
| Steps to be taken in case material is released or spilled: Absorb liquid on paper, vermiculite or other absorbent. Eliminate sources of ignition. | | | | | |
| Waste disposal method: Incinerate or remove to landfill site in accordance with municipal, provincial and federal regulations. | | | | | |
| Precautions to be taken in handling and storage: Normal handling processes. Inside storage at 4-40 °C recommended. | | | | | |
| Other precautions: Follow label use instructions. | | | | | |
| UN: Not Applicable | | TDG Class: None | | Packing Group: Not Applicable | |
| TDG Emergency Telephone Number: 613-996-6666 (COLLECT) | | | | | |
| SECTION IX ▶ PREPERATION DATA | | | | | |
| Prepared by: M. Mikoluk | | | Last updated: June 1, 2015 | | |
| Location: Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861 | | | | | |

Orang-a-Tang

Multi-Use Solvent

"A powerful citrus solvent that is effective on a wide range of spots and soils, including gum and tar as well as oil and grease. "

FEATURES AND BENEFITS

Contains d-limonene: Natural solvent; pleasant fragrance; easier on the environment.

100% active: Fast acting.

High flash point at 50TCC: Safer to use; less flammable.

Excellent solvency: Dissolves glue and gum.

Water rinsable: Easy to clean-up.

Easy to apply: Can be applied by mop, sponge or cloth.

WHERE TO USE

ORANG-A-TANG will remove a wide array of spots and stains including gum, tar, glue, oil, grease, fresh paint, crayon, lipstick, heel marks and candle-wax.

It is safe to use on most surfaces including carpets, fabric, concrete, painted and unpainted metal, glass and plastic. When using on carpet or fabric, always test colour-fastness with a white tissue on an inconspicuous area.

ORANG-A-TANG may also be used as a general purpose cleaner and degreaser for tools, machine and machine parts, vents, hoods, stoves, counter-tops, engines, white-wall tires and a host of other surfaces.

HOW TO USE

Apply with a cloth, sponge or sprayer. Allow to work for several minutes and then scrape or blot. Repeat if necessary. Wash area with a neutral detergent after the application. To remove carpet adhesive from non-resilient floors, mop on concentrated Orang-A-Tang and allow it to work for 15-30 minutes. Scrub with a brush or broom and pick-up residue with a shovel or absorbent. Repeat as necessary. Wash floor with a neutral detergent and let floor dry thoroughly.

Recommended dilution rates:

| | |
|--------------------------------------|---------------|
| Carpet, Spot and Stain Removal | use undiluted |
| Degreasing | use undiluted |
| Glue Removal | use undiluted |
| Spray Cleaning | 1:20-1:80 |

Note: Adjust rates to suit your cleaning needs.

SPECIFICATIONS

Appearance: Clear colourless liquid

Fragrance: Scented

Viscosity: As water

Active %: 100.0

pH (conc.): N/A

pH (1%): N/A

Solvent: D-limonene

Phosphate: No

WHMIS: Yes

TDG: Exempt