



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME
 UNITED 189 LIFT OFF!

USE/DESCRIPTION
 Wood and Metal Finish Remover

REVISION DATE
 June 3, 2013

HMIS III HEALTH (0 = Maximum Safety) 3

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 2

Susceptibility of Material to Burning.

4 Extremely flammable.	1 Must be preheated to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Methyl Alcohol	67-56-1	7-10	200 ppm	200 ppm	1000 mg/kg (Oral/Man)	NE
Methylene chloride	75-09-2	67-70	50 ppm	25 ppm	1600 mg/kg (Oral/Rat)	52 mg/m3 (Rat)
Propane/N-Butane	68476-86-8	19-21	600 ppm	1000 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause eye irritation and redness. May cause eye damage.

Skin: May cause skin irritation and redness. May cause localized defatting, blistering with prolonged skin contact.

Inhalation: Over exposure may cause nausea, dizziness, headache and upper respiratory discomfort and unconsciousness. Prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.

Ingestion: May cause gastrointestinal irritation, burning, nausea, vomiting, diarrhea, dizziness, tremor, drowsiness, pulmonary edemas, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from unconsciousness to death.

4. FIRST AID MEASURES

Eyes: Flush with water for at least 15 minutes while holding eyelids open and call a physician immediately.

Skin: Wash with soap and water. If irritation persists, call a physician.

Inhalation: Remove to fresh air. Apply artificial respiration if needed. If irritation persists, call a physician.

Ingestion: DO NOT induce vomiting without consulting doctor or poison control. Give large quantities of water if conscious. Seek medical attention immediately.

Notes to Physicians or first Aid Providers: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): NA Upper (UEL): NA

Flame Projection (Aerosol): Flammable per 16 CFR 1500.3 and 1500.45.

Hazardous Products of Combustion: When strongly heated in a fire, this product may produce phosgene under forced combustion, oxides of carbon, and hydrogen chloride gases.

Fire and Explosion Hazards: May develop a flammable atmosphere in confined areas.

Extinguishing Media: Foam, Dry Chemical, and Carbon dioxide.

Fire Fighting Instructions: Wear self-contained breathing apparatus operated in positive pressure or pressure demand w/full protective clothing. Containers should be cooled with water fog to prevent vapor pressure build up. Exposure to temperature over 120°F/49°C may cause bursting or venting. May develop a flammable atmosphere in confined areas

6. ACCIDENTAL RELEASE MEASURES

Maintain local exhaust and adequate ventilation. Remove sources of ignition such as pilot lights. Material is heavier than air and can settle in low lying areas in flammable concentrations, ventilate area. Product will undergo rapid evaporation.

Small Spills: Wipe up with a rag or absorb liquid with inert absorbent, vermiculite, or floor absorbent material and sweep up. Place in a closed container for disposal.

Large Spills: Maintain local exhaust and adequate ventilation. Eliminate all sources of ignition. Contain liquid and absorb with inert absorbent material and sweep up. Prevent entry into sewer and waterways. Place in a closed container for disposal.

7. HANDLING AND STORAGE

Store in a cool, well ventilated area away from sources of ignition. Do not store at temperatures above 120°F/49°C. Keep out of reach of children. Wash hands after using aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses recommended.

Skin: Chemical resistant gloves are recommended. Gloves should be neoprene, recommended fluoro silicone or a fluoro elastomer.

Respiratory: None needed for proper use in accordance with label directions. If TLV levels are exceeded use a NIOSH/MSHA approved respirator.

Engineering Controls: Ventilation and local exhaust normally adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >104°F/>40°C **Specific Gravity:** 1.20 (H₂O=1) **Vapor Pressure:** > 100 mm Hg@77F/25C **Melting Point:** NA

Vapor Density: >1 @ 77F/25C **Evaporation Rate:** > 2 (Butyl Acetate=1) **Solubility in Water:** ~ 20 % **pH:** NA

Appearance and Odor: Aerosol; Clear spray with chlorinated solvent odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated in a fire this product may produce phosgene gas, hydrogen chloride gas, and oxides of carbon.

Chemical Stability: Stable

Incompatibility: Avoid strong oxidizers, caustics, and Alkalis. Avoid contact with some plastics, painted surfaces, rubber, nitric acid, chemically active metals.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): Yes – Methylene Chloride CAS # 75-09-2

OSHA: Yes ACGIH: A3-Animal carcinogen NTP: Anticipated-2 IARC: 2B-Possible

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? Yes

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Do not puncture or incinerate containers.

Disposal regulations may be different for each state and/or locality. Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard and should be recycled. Wrap empty container in paper and place in trash.

14. TRANSPORT INFORMATION

DOT-Land: Consumer Commodity ORM-D

IMGD-Water Transportation: UN 1950, Aerosols in Limited Quantities of Class 2.2

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): 28.8%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: Methylene Chloride CAS # 75-09-2, Methyl Alcohol CAS # 67-56-1

WHMIS Classification: Class D-1B & Class D-2A

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

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