



MATERIAL SAFETY DATA SHEET

320 37th Avenue, St. Charles, Illinois 60174
www.unitedlabsinc.com . www.unitedlabsinc.ca

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 181 SMART SOLVE® Universal Degreaser

USE/DESCRIPTION
Universal Degreaser Aerosol

REVISION DATE
December 16, 2013

HMIS III HEALTH (0 = Maximum Safety) 1

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) 1

Susceptibility of Material to Burning.

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

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Alcohol ethoxylate	NE	5-7	NE	NE	1500 mg/kg (rat/oral)	NE
Alkoxylated amine	NE	1-5	NE	NE	1100 mg/kg (rat/oral)	NE
Carbon dioxide propellant	124-38-9	1-5	10,000 ppm	10,000 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: Per OECD 405 Acute Eye Irritation/Corrosion Test Method, this product is considered to be a very mild irritant.

Skin: Very mild to the human skin; irritation grade of 0.1, much less than irritation grade of 0.4 of 4% aqueous bar soap solution tested under the same conditions. Gloves are recommended to avoid the natural scent of this product from soaking into the pores of the skin.

Inhalation: No evidence of adverse effects from available information. Some individuals may experience respiratory irritation from vapors or mists of this product.

Ingestion: Non-toxic with Oral LD50 of 2000 mg/kg to rats. Products with Oral LD50 < than 500 mg/kg to rats are considered toxic. Large amounts ingested may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Skin: Wash with soap and plenty of water. If symptoms develop, seek medical attention. United 764 MicroMousse Alcohol Free Hand Sanitizing Foam is recommended for removing any residual that may be on the skin.

Inhalation: Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.

Ingestion: DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, have victim lean forward to reduce risk of aspiration.

5. FIRE FIGHTING MEASURES

Flash Point (PMCC): 240F/115C (Concentrate) **Explosive Limits:** Lower (LEL): ND Upper (UEL): ND

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

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon.

Fire and Explosion Hazards: Exposure to temperature above 120F/48C may cause bursting.

Extinguishing Media: Dry chemical; Foam; Carbon dioxide; Water fog

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build-up.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. This product is non-toxic and biodegradable. Wash area with detergent and rinse thoroughly.

Large Spills: Same as above.

7. HANDLING AND STORAGE

Use with adequate ventilation. Do not puncture or incinerate containers. Store in a cool, dry, well-ventilated area away from sources of ignition. This product may solidify when stored below 35F/1.6C and may affect the performance. Allow to sit at room temperature before using product to ensure best product performance.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: None required if good ventilation is maintained. If high vapors are present or irritation is experienced, NIOSH approved respiratory protection is recommended for organic vapors.

Engineering Controls: Provide adequate ventilation. Mechanical ventilation recommended when handling in enclosed/tight spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >500F/260C **Specific Gravity:** 0.884 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** 41F/5C
Vapor Density: >1 (air=1) **Evaporation Rate:** <1 (ethy ether=1) **Solubility in Water:** Miscible **pH:** NA
Appearance and Odor: Aerosol: clear liquid spray with light woody pine scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon.

Chemical Stability: Stable

Incompatibility: Strong oxidizing agents such as bleach and alkalis.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

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? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

This product is biodegradable. Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request.

TDG: Available upon request.

UN: Available upon request.

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): 0%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

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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PREPARED BY: Sandy Kopacz