



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 188

USE/DESCRIPTION
Aerosol Anti-Seize Compound

REVISION DATE
August 19, 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) 1

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) 3

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)
Acetone	67-64-1	10-20	500 ppm	1000 ppm	NE	NE
Copper	7440-50-8	10-20	1 mg/m3	1 mg/m3	NE	NE
Isoparaffinic Hydrocarbon	64741-66-8	1-10	1400mg/m3*	NE	NE	NE
Isoparaffinic Hydrocarbon	64742-47-8	1-10	1200mg/m3*	NE	NE	NE
Liquefied Petroleum Gas	68476-86-83	35-45	1000 ppm	1000 ppm	NE	NE

* Manufacturer's recommended exposure limit (TWA)

3. HAZARDS IDENTIFICATION

Eyes: May cause slight irritation. May aggravate existing conditions.

Skin: Frequent or prolonged contact may cause irritation. May aggravate existing conditions.

Inhalation: Inhalation of vapors can cause nasal and respiratory irritation. Abusive or excessive inhalation of vapors may cause dizziness, nausea, headaches, unconsciousness, and other central nervous system effects.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs may cause chemical pneumonitis.

4. FIRST AID MEASURES

Eyes: Flush with large amounts of cool running water for at least 15 minutes, while holding upper and lower lids open. If irritation persists, call a physician or poison center immediately.

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

Inhalation: Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

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

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 0°F (T.O.C.)

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

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

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

Fire and Explosion Hazards: Aerosol container (pressurized) may vent, rupture, or burst if heated over 120°F/49°C.

Extinguishing Media: Use foam, dry chemical or carbon dioxide.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing in chemical fires. Cool fire exposed containers to prevent rupturing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Cover with absorbent material and sweep up. Place in designated disposal container. Wash area thoroughly.

Large Spills: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill. Soak up with an inert absorbent and sweep up. Wash area to prevent slipping. Dispose of soaked sorbent material in accordance with federal, state, and local regulations. And place in designated disposal container.

7. HANDLING AND STORAGE

Do not expose to temperatures exceeding 120°F/49°C. Store in a cool, well-ventilated area, away from sources of ignition. Keep out of reach of children. For Industrial and Institutional use only. NFPA Code 30B Rating: Level 3 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or chemical splash goggles are recommended.

Skin: Chemical resistant gloves are recommended if hand contact will be made.

Respiratory: None needed for proper use in accordance with label directions. If vapor concentration exceeds TLV, use a NIOSH or MSHA approved respirator.

Engineering Controls: Provide adequate ventilation and local exhaust to keep vapor concentration below TLV and prevent accumulation of excessive vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 135°F/57°C **Specific Gravity:** 1.034@70°F/21°C **Vapor Pressure**(can; psig@ 72°F): 40 **Melting Point:** ND

Vapor Density: >1 (air=1) **Evaporation Rate:** ND **Solubility in Water:** Slight **pH:** N/A

Appearance and Odor: Aerosol; Gray viscous liquid with solvent odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce carbon monoxide and/or carbon dioxide.

Chemical Stability: Stable

Incompatibility: Avoid contact with strong oxidizing agents. Avoid high temperatures.

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

Consult your local, state, and federal regulations for proper disposal guidelines. Do not puncture or incinerate containers. 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): 49.13%

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: Copper CAS # 7440-50-8

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.

UNITED 188 AEROSOL ANTI-SEIZE COMPOUND

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