



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

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

PRODUCT NAME
 UNITED 111

USE/DESCRIPTION
 Aerosol Brake Parts Cleaner

REVISION DATE
 August 5, 2008

HEALTH (0 = Maximum Safety) **2**

Always follow Label Directions and Cautions.

4 Extreme 3 High 2 Moderate 1 Slight 0 Minimal

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

REACTIVITY (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) **3**

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated to burn.
 3 Ignites at normal temperature. 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	45-55	500 ppm	1000 ppm	NE	NE
Toluene	108-88-3	22-32	20 ppm	100 ppm	NE	NE
Methanol	67-56-1	15-25	200 ppm	200 ppm	NE	NE
Dimethoxypropane	77-76-9	1-5	NE	NE	NE	NE
Carbon Dioxide Propellant	124-38-9	1-10	5000 ppm	5000 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation.

Skin: Frequent or prolonged contact may cause irritation and defatting of skin. May aggravate existing skin conditions.

Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, breathing difficulties, anesthetic effects, nausea and other central nervous system effects.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into the lungs can cause pulmonary injury.

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 get medical attention immediately.

Skin: Remove contaminated clothing. Wash affected area with soap and water. If irritation persists, seek medical attention.

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

Ingestion: DO NOT induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point (of Concentrate Only) (TCC): <0°F / <-17.8°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, may produce oxides of carbon.

Fire and Explosion Hazards: Exposure to temperature above 120°F/ 49°C may cause bursting.

Extinguishing Media: Foam, Carbon dioxide, Dry media.

Fire Fighting Instructions: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Allow propellant to evaporate. Ventilate area and remove all sources of ignition. Cover with absorbent material and sweep up. Wash area to prevent slipping. Place inert absorbent material in a properly marked closed container for proper disposal.

Large Spills: Allow propellant to evaporate. Ventilate area and remove all sources of ignition. Cover with absorbent material and sweep up. Wash area to prevent slipping. Place inert absorbent material in a properly marked closed container for proper disposal.

7. HANDLING AND STORAGE

Store in a cool, dry place away from heat, sparks or open flame. Do not store at temperatures above 49°C/ 120°F. For Industrial and Institutional use only. NFPA Code 30B Rating: Level 3 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses are recommended or chemical proof goggles when working with chemicals.

Skin: Chemical resistant gloves are recommended.

Respiratory: None needed for proper use in accordance with label directions. If recommended exposure limits are exceeded wear a NIOSH approved respirator.

Engineering Controls: Mechanical ventilation not normally required and local exhaust is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 131°F/ 55°C **Specific Gravity:** 0.815 (H₂O=1)@75°F **Vapor Pressure:** ND **Melting Point:** ND
Vapor Density: ND **Evaporation Rate:** ND **Solubility in Water:** Partial **pH:** NA
Appearance and Odor: Straw colored liquid with ketone solvent odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Material decomposed by fire may produce carbon Dioxide and Carbon Monoxide.

Chemical Stability: Stable

Incompatibility: Avoid contact strong oxidizing agents and sources of ignition.

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: Availabale upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): 45.0 %

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: Toluene CAS # 108-88-3 and Methanol CAS# 67-56-1

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 111 Brake Parts Cleaner

PREPARED BY: Sandy Kopacz