



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 671 PRETREAT CLEANER

USE/DESCRIPTION
 For Rosin Flux, Oils, Grease and Buffing Compounds

REVISION DATE
 July 22, 2011

HMIS III HEALTH (0 = Maximum Safety) 2

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: n & p



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
d-1 8 (9)-p-menthadiene	5989-27-5	30-60	NE	NE	4400 mg/kg (rat/oral)	NE
N-Methyl-2-pyrrolidinone	872-50-4	5-10	NE	NE	3914 mg/kg (rat/oral)	NE
Amyl acetate	628-63-7	3-7	100 ppm 532 mg/m3	100 ppm 525 mg/m3	6500 mg/kg (rat/oral)	NE
2-Methyl butyl acetate	624-41-9	3-7	NE	NE	NE	NE
1-tert-Butoxy-2-propanol	57018-52-7	30-60	NE	NE	4400 mg/kg (rat/oral)	NE

3. HAZARDS IDENTIFICATION

Eyes: Can cause severe irritation, redness, tearing, blurred vision and burns.

Skin: Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause drying and defatting.

Inhalation: May cause respiratory tract irritation, nausea, dizziness. Prolonged inhalation may produce respiratory tract irritation, nausea, dizziness.

Ingestion: May cause upset stomach, burns of mouth and throat.

4. FIRST AID MEASURES

Eyes: Flush with plenty of water for at least 15 minutes and call a physician or poison control center.

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

Inhalation: Remove to fresh air immediately. Apply artificial respiration as needed. Call a physician or poison control center.

If Swallowed: DO NOT induce vomiting. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 119°F/48°C

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

Flame Projection (Aerosol): NA

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

Fire and Explosion Hazards: Combustible liquid. Keep away from heat, sparks, and open flame. Guard against spontaneous combustion of improperly discarded oily rags.

Extinguishing Media: Dry chemical, Foam, Carbon dioxide.

Fire Fighting Instructions: Firefighters should 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 absorb spilled liquid on clay or other sorbent. Place saturated sorbent in closed containers for disposal.

Large Spills: Remove sources of ignition and absorb spilled liquid on clay or other sorbent. Place saturated sorbent in closed containers for disposal.

7. HANDLING AND STORAGE

Keep this product in properly labeled and tightly closed containers. Keep in a cool dry place away from sources of ignition. Keep closed containers from hard freezing as this could cause the drum to rupture. Remove contaminated clothing immediately and launder before reusing. Wash hands and face with soap and water after using this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear chemical safety goggles.

Skin: Chemical resistant gloves.

Respiratory: If TLV is exceeded, use NIOSH/MHSA approved self-contained breathing apparatus.

Engineering Controls: Provide adequate ventilation. Local exhaust is generally adequate.

Other protective Clothing: Long sleeves

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >288°F/142°C **Specific Gravity:** 0.89 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND

Vapor Density: ND **Evaporation Rate:** <1 (Butyl Acetate =1) **Solubility in Water:** Emulsifies **pH:** NA

Appearance and Odor: Clear colorless liquid with sweet banana odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

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

Chemical Stability: Stable

Incompatibility: Do not mix this product with other cleaning chemicals, especially acids or strong oxidizing agents.

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, provincial 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): 91.6%

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: N-Methyl-2-pyrroindinone CAS# 872-50-4

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 671 PRETREAT CLEANER

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