UNITED 148



MATERIAL SAFETY DATA SHEET

320 37th Avenue, St. Charles, Illinois 60174 • 214 Dolomite Drive, Downsview, Ontario M3J 2N2 www.unitediabsinc.com

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME UNITED 148 NUTKRACKER USE/DESCRIPTION Penetrating Oil

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FOR MEDICAL AND TRANSPORTATION EMERGENCIES 24 Hour INFOTRAC (US and CANADA): 800-535-5053 **REVISION DATE** December 28, 2009

HMIS III HEALTH (0 = Maximum Safety)

Always follow Label Directions and Cautions.

- * Chronic
- 2 Moderate 1 Slight 0 Minimal 4 Severe 3 Serious
- See Hazards Identification Section of this MSDS for more detailed information

FLAMMABILITY (0 = Maximum Safety)

Susceptibility of Material to Burning

- 4 Extremely flammable.
- to burn.
- 3 Ignites at normal temperature.
- 2 Ignites when moderately heated. 0 Will not burn.

PHYSICAL HAZARD (0 = Maximum Safety)

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

 O Normally stable.

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- 1 Must be preheated

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Mineral spirits	8052-41-3 or 64742-47-8	20-30	100 ppm	500 ppm	NE	NE
Synthetic Isoparaffinic hydrocarbon	64742-47-8	20-30	NE	152 ppm	NE	NE
2-Butoxyethanol	111-76-2	8-10	20 ppm SKIN	50 ppm	470 mg/kg (rat/oral)	,450 ppm 4 hr (rat)
Propane	74-98-6	8-10	1000 ppm	1000 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: Under normal use injuries are not expected. May cause irritation or burning sensation, tearing, and redness.

Skin: May cause mild irritation. Prolonged or repeated contact can result in defatting and drying of skin which may result in skin irritation and dermatitis.

Inhalation: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Inhalation of aerosol may cause irritation to the upper respiratory tract. headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from overexposure to vapor or skin exposure. High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure.

Ingestion: Exposure by Ingestion is unlikely since this product is an aerosol, but if it occurs, can cause dizziness, headaches, and incoordination. Possible aspiration hazard. May cause inflammation of the lungs.

Chronic effects: Unconsciousness. May cause central nervous system disorder (e.g., narcosls involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. None known.

4. FIRST AID MEASURES

Eyes: Immediately flush with cool water for at least 15 minutes. Remove contact lenses, if applicable and continue flushing. Obtain medical attention if irritation persists.

Skin: Flush with cool water. Wash with soap and water. Remove contaminated clothing and shoes. Obtain medical attention if irritation persists.

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.

Ingestion: DO NOT induce vomiting. If conscious, rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious or is convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): -156°F/-104.4°C propellent

Explosive Limits: Lower (LEL): ND

Upper (UEL): ND

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

Hazardous Products of Combustion:W hen strongly heated, as in a fire, this product may produce oxides of carbon and other toxic chemicals.

Fire and Explosion Hazards: Do not expose aerosols to temperatures above 120°F/49°C or the container may rupture. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Extinguishing Media: Water spray; Water fog, Alcohol Foam; Dry chemical, Carbon dioxide.

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 all sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal

container. Wash area thoroughly.

Large Spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Wash area thoroughly.

7. HANDLING AND STORAGE

Keep away from heat, sparks, and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not store at temperatures above 120°F/49°C. NFPA 30B Storage Level 3 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or chemical goggles are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: None needed for proper use in accordance with label directions. If ventilation is not adequate to reduce vapors below

TLV levels, use a NIOSH/MSHA approved air-purifying respirator equipped with an organic vapor cartridge.

Engineering Controls: Provide adequate ventilation to keep vapor concentration below TLV and prevent accumulation of excessive vapors to minimize flammable conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Bolling Point: ~278.6°F/137.2°C Specific Gravity: 0.777conc.(H2O=1) Vapor Pressure: 38-48 psig@70°F/21°C

Melting Point: NA Vapor Density: ND Evaporation Rate: ND Solublity in Water: Negligible

pH: NA

Appearance and Odor: Aerosol; amber to dark brown spray with bland 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 and other toxic chemicals.

Chemical Stability: Stable

Incompatibility: Avoid contact with 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? No

2-Butyoxyethanol may affect the liver and kidneys and may increase red blood cell hemolysis.

12. ECOLOGICAL INFORMATION

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. Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard.

D001: Waste Flammable material with a flash point < 140°F/60°C.

14. TRANSPORT INFORMATION

DOT: Available upon request TDG: Available upon request UN: Availabale upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): ND

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: 2-Butyoxyethanol C# 111-76-2

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