

Material Safety Data Sheet CRYSTAL NAILS CLEANSER Page 1 of 1**Section 1 – Identification of the Substance/Preparation and of the Company/Undertaking****Material / Item Name:** Cleanser

MSDS Approval Date: 10/12/2000

Chemical Name: N/A

MSDS Prepared by: BSQ

Family: Cleansing Agent**Manufacturer/Distributor:** Litrox Factory Investments LLC (443960-91)

US 8130 SW Portland, Oregon,

Beaverton-Hillsdale Highway 97225.

Product Use: Wiping Solution**Product #:** 1001763-64-65**Section 2 - Composition/Information on Ingredients**

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA	Limits ACGIH	Carcinogen IARC/NTP/OSHA	%
				TWA/STEL	TWA/STEL		
<u>Isopropyl Alcohol</u>	67-63-0	200-661-7	<u>Isopropyl Alcohol</u>	<u>400 ppm</u>	<u>400 ppm</u>	Not Listed	75-80
<u>Ethyl Acetate</u>	141 - 78 - 6	205-500-4	<u>Ethyl Acetate</u>	<u>400 ppm</u>	<u>400 ppm</u>	Not Listed	20-25

N/E - None Established N/DA - No Data Available N/A -
N/R - Not Reviewed Not Applicable**Hazard Symbols:** Xi, F **Risk Phrases:** R11, R36/37/38, R66, R67 **Safety Phrases:** S7/9, S16, S26, S33, S37/39, S45**Section 3 - Hazards Identification****EMERGENCY OVERVIEW**

This information is based on findings from related or similar materials.

- **Flammable liquid and vapor!**
- May cause eye irritation.
- May cause skin irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mists.
- Please read entire MSDS for additional information.

**Potential Health Effects, Signs and Symptoms of Exposure:**

Primary Route of Entry Inhalation, skin and ingestion.

Eye Vapors are irritating to the eyes. Splashes may cause severe irritation, with stinging, tearing, redness, and pain with possible corneal damage.

Skin Repeated/prolonged contact may cause drying of skin. Symptoms include redness, burning, drying, cracking and skin burns.

Ingestion Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

Inhalation Vapors are irritating to nasal passages and throat and may cause stupor or headache. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects Significant exposure to this chemical may adversely affect people with chronic disease or may cause damage to the respiratory system, skin and eyes.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 4 - First Aid Measures

First Aid for Eye	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
First Aid for Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.
First Aid for Ingestion	If individual is drowsy or unconscious, do not give anything by mouth; place individual on the leftside with head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.
First Aid for Inhalation	Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Seek medical attention if discomfort persists.

Material Safety Data Sheet CRYSTAL NAILS CLEANSER Page 3 of 3**Section 9 - Physical and Chemical Properties**

Appearance		Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile	
Clear, colorless, mobile liquid		fruity, pungent mix odor	N/A	(H ₂ O = 1):	N/A	W/W % : 99+	
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
77°C	N/DA	N/DA	73 mm Hg @20°C	(Air=1): 3.0	(Butyl Acetate=1): 4.5	N/A	8.7 %
Flash Point (°F/°C)		Flammable Limit (vol%)		Auto-ignition Temperature (vol%)			
68°F/20°C		LEL: 2 % ; UEL: 11.4 %		N/DA			

Section 10 - Stability and Reactivity**Stability:**

Stable

Incompatibility (Materials to Avoid):

Oxidizing Agent i.e. Hydrogen peroxide , Nitric Acid , Perchloric Acid, Chromium Trioxide

Hazardous Decomposition Products:

Carbon Monoxide

Hazardous Polymerization:

Will not occur

Conditions to Avoid: Heat, flames, ignition sources, and incompatibles**Section 11 - Toxicological Information**

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation - Eye
Mouse: LD50 = 3600 mg/kg;	N/ DA	Rat = 1030 ug/m3/16W	Skin, rabbit: LD50 = 12800 mg/kg.	N/ DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/ DA	Rat = 1030 ug/m3/16W	N/ DA

Section 12 - Ecological Information

Ecotoxicological Information Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
The LC50/96-hour values for fish are over 100 mg/l.	N/ DA	N/ DA	N/ DA	N/ DA

Chemical Fate Information

Biodegradability	When released into the soil, this material is expected to quickly evaporate. When released into the soil, this material may leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate. When released into the water, this material is expected to have a half-life between 1 and 10 days. When released into water, this material may biodegrade to a moderate extent. This material is not expected to significantly bioaccumulate.
Chemical Oxygen Demand	N/ DA

Section 13 - Disposable Considerations

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Material Safety Data Sheet CRYSTAL NAILS CLEANSER Page 4 of 4**Section 14 - Transport Information**

DOT (49 CFR 172)	
Proper Shipping Name:	Flammable liquids, n.o.s., (ethyl acetate, isopropyl alcohol), 3, UN1993, PGII
Identification Number:	UN1993
Marine Pollutant:	No
Special Provisions:	T8, T31
Emergency Response Guidebook (ERG) #:	128
IATA (DGR):	
Proper Shipping Name:	Flammable liquids, n.o.s., (ethyl acetate, isopropyl alcohol), 3, UN1993, PGII
Class or Division:	3
UN or ID Number:	UN1993
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	
IMO (IMDG):	
Proper Shipping Name:	Flammable liquids, n.o.s., (ethyl acetate, isopropyl alcohol), 3, UN1993, PGII
Class or Division:	3.2
UN or ID Number:	UN1993
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	
Other Information:	Flash point = 20°C

Section 15 - Regulatory Information**US Federal Regulations**

Clean Air Act: HAP/ODS

This product contains the following HAP's or ODS:

NONE

Clean Water Act: Priority Pollutant

The following ingredients are listed as hazardous pollutants under the CWA:

- NONE

None of the ingredients are listed as primary pollutants nor are they listed as toxic pollutants.

FDA: Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.

Occupational Safety and Health Act

This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are:

- Immediate (acute) health hazard
- Fire hazard

RCRA

This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261).

- Ethyl Acetate CAS# 141-78-6, RCRA Code: U112
- Characteristic of Ignitability, RCRA Code: D001

SARA Title III: Section 302 (RQ)

This product contains no chemicals regulated under Section 302 as extremely hazardous substances.

SARA Title III: Section 302 (TPQ)

This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List):

- Ethyl Acetate CAS# 141-78-6, RQ (Lbs) 5000

SARA Title III: Section 311-312:

This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). It's hazards are:

- Immediate (acute) health hazard
- Fire hazard

SARA Title III: Section 313:

This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- Isopropyl Alcohol CAS# 67-63-0

TSCA Section 8(b): Inventory:

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

TSCA Significant New Use Rule:None of the chemicals in this material have a SNUR under TSCA.

Material Safety Data Sheet CRYSTAL NAILS CLEANSER Page 5 of 5

<u>State Regulations</u>	Ethyl Acetate CAS #141-78-6, Isopropyl Alcohol CAS #67-63-0
CA Right-to-Know Law: California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0
NJ Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0
PA Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0
FL Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0
MN Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0

International Regulations

CDSL: Canadian Inventory (on Ethyl Acetate CAS# 141-78-6 is on the DSL List. WHMIS = B2, D2B

Canadian Transitional List) Isopropyl Alcohol CAS #67-63-0 is on the DSL List. WHMIS = n/da

EINECS: European Inventory: **B-1 Wiping Solution:**

HAZARD SYMBOLS: **Xi, F: Irritant, Highly Flammable**

RISK PHRASES: **R11, highly flammable, R36/37/38: Irritating to eyes, respiratory system and skin, R66: Repeated exposure may cause skin dryness or cracking, R67: Vapours may cause drowsiness and dizziness.**

SAFETY PHRASES: **S7/9: keep container tightly closed and in a well ventilated place, S16: keep away from sources of ignition- no smoking, S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S33: take precautionary measures against static discharges, S37/39: wear suitable gloves and eye/face protection, S45: In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible)**



Section 16 - Other Information

Hazard Rating System (Pictograms)

NFPA:	HMIS:
<p>Health → 1 ← 3 Flammability → 1 ← 0 Reactivity</p>	<p>1 Health 3 Flammability 0 Reactivity</p>

Revised Sections since Last Version:
9/01/2005 Revisions.

Updated Section # 2.
Updated Section # 1 and 7.

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