



PREP KLEEN Wax and Grease Remover IMP-3803

Revision Date: 01/14/2010  
 Print Date: 7/27/2010  
 MSDS Number: R0375624  
 Version: 1.4

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Company

Refinish Distributors Alliance  
 13769 E. Lupine Ave.  
 Scottsdale, AZ 85259  
 1-480-661-8799

Emergency Telephone Number: 1-800-424-9300 CHEMTREC

PRODUCT NAME	IMP-3803
PRODUCT CODE	111513
PRODUCT USE DESCRIPTION	Prep Kleen Wax and Grease Remover

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance: liquid, white

**WARNING! FLAMMABLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN, CAUSE IRRITATION AND BURNS.**

### Potential Health Effects

#### **Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

#### **Eye contact**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

#### **Skin contact**

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: Blistering  
 Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

#### **Ingestion**

Swallowing small amounts of this material 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. This results in lung inflammation and other lung injury. Exposure causes severe irritation of the gastrointestinal tract.

#### **Inhalation**

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8).

#### **Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidney, central nervous system, male reproductive system, auditory system. Individuals with preexisting heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

#### **Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the skin, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), discomfort in the chest, central nervous system excitation (giddiness, liveliness, lightheaded feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, low blood pressure, mild, temporary changes in the liver, effects on heart rate, respiratory depression (slowing of the breathing rate), shortness of breath, loss of coordination, confusion, irregular heartbeat, narcosis (dazed or sluggish feeling), lung edema (fluid buildup in the lung tissue), kidney damage, coma.



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### Target Organs

Breathing isopropanol vapors has caused damage to the lining of the middle ear in experimental animals. The relevance of this finding to humans is uncertain. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild reversible liver effects.

### Carcinogenicity

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program, (NTP), or the Occupational Safety and Health Administration (OSHA).

### Reproductive hazard

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No.	Concentration
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	>=80-<90%
ISOPROPANOL	67-63-0	>=5-<10%
MINERAL SPIRITS REGULAR	100-41-4	>=5-<10%

## 4. FIRST AID MEASURES

### Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air.

Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

### Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

### Notes to physician

**Hazards:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting. Administration of high doses of isopropanol in combination with known hepatotoxic chemicals resulted in enhanced liver toxicity in experimental animals.

**Treatment:** No information available.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Water mist, Carbon dioxide (CO<sub>2</sub>), Dry chemical

### Hazardous combustion products

May form: carbon dioxide and carbon monoxide, various hydrocarbons

### Precautions for fire-fighting

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).



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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks).

Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Persons not wearing proper personal protective equipment should be excluded from area of spill.

**Environmental precautions**

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

**Methods for cleaning up**

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

**7. HANDLING AND STORAGE**

**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for nonconductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

**Storage**

Do not store near extreme heat, open flame, or sources of ignition.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

ISOPROPANOL		67-63-0
NIOSH	Recommended exposure limit (REL):	400 ppm
	Recommended exposure limit (REL):	980 mg/m3
NIOSH	Short term exposure limit	500 ppm
NIOSH	Short term exposure limit	1,225 mg/m3
OSHA Z1	Permissible exposure limit	400 ppm
OSHA Z1	Permissible exposure limit	980 mg/m3
ACGIH	time weighted average	200 ppm
ACGIH	Short term exposure limit	400 ppm
XYLENE		1330-20-7
ACGIH	time weighted average	100 ppm
ACGIH	Short term exposure limit	150 ppm
OSHA Z1	Permissible exposure limit	100 ppm
OSHA Z1	Permissible exposure limit	435 mg/m3
NIOSH	Recommended exposure limit (REL) :	100 ppm



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NIOSH	Recommended exposure limit (REL):	435 mg/m3
NIOSH	Short term exposure limit	150 ppm
NIOSH	Short term exposure limit	655 mg/m3

MINERAL SPIRITS REGULAR		100-41-4
ACGIH	time weighted average	100 ppm
NIOSH	Recommended exposure limit (REL):	350 mg/m3
NIOSH	Ceiling Limit Value and Time Period (if specified):	1,800 mg/m3
OSHA Z1	Permissible exposure limit	500 ppm
OSHA Z1	Permissible exposure limit	2,900 mg/m3
OSHA Z1A	time weighted average	100 ppm
OSHA Z1A	time weighted average	525 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL)	125 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL)	525 mg/m3

**General advice**

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

**Exposure controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

**Eye protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

**Skin and body protection**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Respiratory protection**

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid
<b>Form</b>	No data
<b>Color</b>	water clear
<b>Odor</b>	No data
<b>Boiling point/boiling range</b>	82.50 °C @ 1,013.23 hPa Calculated Phase Transition Liquid/Gas
<b>pH</b>	No data
<b>Flash point</b>	10.00 °C Tag closed cup
<b>Evaporation rate</b>	1 (Ethyl Ether)
<b>Lower explosion limit/Upper explosion limit</b>	1.3 %(V) / 12 %(V)
<b>Vapor pressure</b>	16.700 mmHg @ 68.00 °F
<b>Vapor density</b>	(>) 1 (AIR=1)
<b>Density</b>	0.746 g/cm3 @ 68.00 °F / 20.00 °C 6.21 lb/gal @ 68.00 °F / 20.00 °C
<b>Solubility</b>	No data
<b>Partition coefficient: n-octanol/water</b>	No data
<b>log Pow</b>	no data available
<b>Autoignition temperature</b>	No data



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## 10. STABILITY AND REACTIVITY

**Stability**

Stable.

**Conditions to avoid**

None known.

**Incompatible products**

Avoid contact with: acetaldehyde, acids, Chlorine, Ethylene oxide, isocyanates, strong oxidizing agents, Do not use with aluminum equipment at temperatures above 120 degrees F.

**Hazardous decomposition products**

May form: carbon dioxide and carbon monoxide, various hydrocarbons

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**Thermal decomposition**

No data

## 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: LD 50 Rat: > 8,000 mg/kg  
 ISOPROPANOL: LD 50 Rat: 4,700 - 5,800 mg/kg  
 MINERAL SPIRITS REGULAR: LD 50 Rat: 5g/kg

**Acute inhalation toxicity**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: LC 50 Rat: 3400 ppm, 4 h  
 ISOPROPANOL: LC 50 Rat: 16000 ppm, 4 h  
 MINERAL SPIRITS REGULAR: no data available

**Acute dermal toxicity**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: LD 50 Rat: > 4,000 mg/kg  
 ISOPROPANOL: LD 50 Rabbit: 5,030 - 7,900 mg/kg  
 MINERAL SPIRITS REGULAR: LD 50 Rabbit: (>) 3 g/kg  
 ETHYL BENZENE: LD 50 Rabbit: 17,800 mg/kg

## 12. ECOLOGICAL INFORMATION

**Biodegradability**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available

**Bioaccumulation**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available

**Ecotoxicity effects****Toxicity to fish**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: 96 h LC 50 Fathead minnow (Pimephales promelas):  
 5,770.00 - 7,450.00 mg/l  
 Method: Flow through  
 Mortality  
 MINERAL SPIRITS REGULAR: no data available

**Toxicity to daphnia and other aquatic invertebrates.**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: 24 h static test LC 50 Water flea (Daphnia magna): >  
 10,000.00 mg/l  
 Method: Static  
 Mortality



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MINERAL SPIRITS REGULAR: no data available  
**Toxicity to algae**  
 SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available  
**Toxicity to bacteria**  
 SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available

**Biochemical Oxygen Demand (BOD)**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available

**Chemical Oxygen Demand (COD)**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available

**Additional ecological information**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC: no data available  
 ISOPROPANOL: no data available  
 MINERAL SPIRITS REGULAR: no data available

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**14. TRANSPORT INFORMATION**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
<b>U.S. DOT - ROAD</b>					
UN 1263	Paint related material	3		II	
<b>U.S. DOT - RAIL</b>					
UN 1263	Paint related material	3		II	
<b>U.S. DOT - INLAND WATERWAYS</b>					
UN 1263	Paint related material	3		II	
<b>TRANSPORT CANADA - ROAD</b>					
UN 1263	PAINT RELATED MATERIAL	3		II	
<b>TRANSPORT CANADA - RAIL</b>					
UN 1263	PAINT RELATED MATERIAL	3		II	
<b>TRANSPORT CANADA - INLAND WATERWAYS</b>					
UN 1263	PAINT RELATED MATERIAL	3		II	
<b>INTERNATIONAL MARITIME DANGEROUS GOODS</b>					
UN 1263	PAINT RELATED MATERIAL	3		II	
<b>INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO</b>					
UN 1263	Paint related material	3		II	





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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN	1263 Paint related material	3	II
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

UN	1263 PRODUCTOS PARA PINTURA	3	II
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**SARA Hazard Classification**

Fire Hazard  
 Acute Health Hazard

**New Jersey RTK Label Information**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8
ISOPROPANOL	67-63-0
MINERAL SPIRITS REGULAR	8052-41-3

**Pennsylvania RTK Label Information**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8
ISOPROPANOL	67-63-0
MINERAL SPIRITS REGULAR	8052-41-3

**Notification status**

EU. EINECS	y (positive listing)
US. Toxic Substances Control Act	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA).	y (positive listing)
Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	
Japan. Kashin-Hou Law List	n (Negative listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

	HMIS	NFPA
Health	1*	1
Flammability	3	3
Physical hazards	0	
Instability		0
Specific Hazard	--	--

**16. OTHER INFORMATION**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

PREP KLEEN Wax and Grease Remover IMP-3803 111513

***VOC and HAP REPORT***

<b>VOC Content (as formulated)</b>	100.00%
<b>VOC Content (SCAQMD)</b>	753.59 g/l
<b>VOC Vapor Pressure @ 20°C (SCAQMD)</b>	20.93 hPa
<b>Calculated HAP Total</b>	1.01%
<b>Calculated Organic HAP Total</b>	1.01%

Hazardous Air Pollutants reported on this document are limited to those that are defined as hazardous under 29 CFR 1910.1200. It is possible that there are other Hazardous Air Pollutants in this product at levels that are not reportable by the OSHA Hazard Communication Standard. Certain air regulations require that these components be included in determinations of total HAP emissions. If you require information on the unreported Hazardous Air Pollutants, please contact your Refinish Distributors Alliance account representative.

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