

# MATERIAL SAFETY DATA SHEET

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

<b>Telephone numbers:</b>	(517) 546-4520
<b>Manufacturer/Supplier:</b>	CHEM-TREND LIMITED PARTNERSHIP P.O. BOX 860 HOWELL, MI 48844-0860
<b>Product Name:</b>	CHEMWAX 304

## 2. HAZARDS IDENTIFICATION

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Liquid
<b>Color:</b>	Tan
<b>Odor:</b>	Hydrocarbon
<b>Emergency Overview:</b>	WARNING: COMBUSTIBLE! Vapors may travel to a source and flash back
<b>Principle routes of exposure:</b>	Skin, eyes, respiratory tract, gastrointestinal tract
See Toxicological Information (section 11)	

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Registry Number	Weight %
Hydrotreated Light Distillate	64742-47-8	60 - 70%
Petroleum oil	-	10 - 20%
Wax blend	Proprietary	20 - 30%

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### 4. FIRST AID MEASURES

<b>Skin contact:</b>	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and contact a physician.
<b>Inhalation:</b>	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion:</b>	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary oedema and pneumonitis. Contact a physician immediately.
<b>Aggravated Medical Conditions:</b>	No information available.
<b>Notes to physician:</b>	No information available.

### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	160 °F , 71°C (Pensky-Martens, ASTM D 93, ISO 1523, DIN 51 755)
<b>Flame extension test, inches (aerosol products only):</b>	Not applicable or no information available.
<b>Suitable extinguishing media:</b>	Carbon dioxide (CO2). Dry chemical. Foam. Do not use a direct stream of water..
<b>Unusual hazards:</b>	Combustible material.
<b>Special protective equipment for firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific methods:</b>	Standard procedure for chemical fires. Cool containers / tanks with spray water
<b>Explosive properties:</b>	No information available.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Method(s) for cleanup:</b>	
<b>Small spills:</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Take precautionary measures against static discharges.
<b>Large spills:</b>	Dam up. Take precautionary measures against static discharges. Take up mechanically and collect in suitable container for disposal.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	
<b>Technical measures/precautions:</b>	Ensure adequate ventilation. Take precautionary measures against static discharges.

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### 7. HANDLING AND STORAGE

**Safe handling advice:** Handle in accordance with good industrial hygiene and safety practice.  
Normal measures of preventive fire protection.  
Take precautionary measures against static discharges.  
Keep product and empty container away from heat, open flames, and other sources of ignition.  
Bond and ground containers during transfer of material.  
Do not puncture empty containers.  
Do not re-use empty containers for other materials.

**Storage:**

**Technical measures/storage conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from open flames, hot surfaces and sources of ignition.  
Store at temperatures not exceeding 110°F.

**Incompatible products:** Strong oxidizing agents.

**Other precautions:** None

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS Registry Number	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Hydrotreated Light Distillate	64742-47-8	-	-	-	-
Petroleum oil	-	-	-	-	-
Wax blend	Proprietary	-	-	-	-

**Engineering measures to reduce exposure:** Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### Personal Protective Equipment

**Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection:** Impervious gloves

**Eye protection:** Tightly-fitting safety goggles or safety glasses with side shields.

**Skin and body protection:** Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Initial boiling point:** ~375°F, ~191 °C

**Specific gravity:** 0.83

**Bulk density (lb/gal):** 6.88

**Vapor pressure:** 12 (hydrocarbon naphtha)

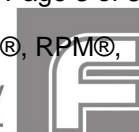
**Vapor density (air = 1):** >1

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

in mm Hg at 20 °C (68 °F):

Evaporation rate:	<1 (n-butyl acetate = 1)
Volatiles content (%):	60 - 70%
Solubility in water:	Insoluble
pH of concentrate:	Not applicable.
Melting point/range:	Not applicable
Flash point:	160 °F , 71°C (Pensky-Martens, ASTM D 93, ISO 1523, DIN 51 755)
Flammability limits in air:	Percent by volume

Ingredient	CAS Registry Number	Lower (%):	Upper (%):
Hydrotreated Light Distillate	64742-47-8	1.3	8.1

### 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid:	Strong oxidising agents.
Hazardous decomposition products:	Carbon oxides.
Polymerization:	Hazardous polymerisation does not occur.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Component Information:

Ingredient	CAS Registry Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrotreated Light Distillate	64742-47-8	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h
Petroleum oil	-	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h
Wax blend	Proprietary	-	-	-

**Acute effects** Product contains proprietary ingredients. Health hazards are listed below.

**Skin contact:** Prolonged contact may defat skin, causing irritation and/or dermatitis.

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**11. TOXICOLOGICAL INFORMATION**

**Eye contact:** May cause eye irritation.

**Inhalation:** High levels above the TLV cause stupor, headache, nausea, dizziness, unconsciousness, and may produce adverse effects on vision.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Material entering lungs during swallowing or vomiting causes lung inflammation and other lung injury.

**Sensitization:** No information available.

**Other effects:** No information available.

**Chronic effects****Carcinogenic effects:**

Ingredient	CAS Registry Number	NTP:	IARC:	OSHA:
Hydrotreated Light Distillate	64742-47-8	No	No	No
Petroleum oil	-	No	No	No
Wax blend	Proprietary	No	No	No

**Mutagenic effects:** No information available.

**Reproductive toxicity:** No information available.

**Target organ effects:** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Method(s) of disposal:** Dispose of in accordance with local, state, and federal regulations. This product does not fall under current EPA RCRA definitions of hazardous waste.

**US EPA Waste code(s):** None.

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## 14. TRANSPORTATION INFORMATION

**IMDG - Marine Pollutants** This product does not contain marine pollutants as classified by the International Maritime Organization.

**Emergency Response Guidebook 133 (ERG) No:**

### DOT

**UN/NA ID No:** UN1325  
**Proper shipping name:** Flammable solids, organic, n.o.s. (Contains Hydrocarbon Naphthas)  
**Hazard Class:** 4.1  
**Packing group:** II

### ICAO/IATA

**UN ID No:** UN1325  
**Proper shipping name:** Flammable solid, organic, n.o.s. (Contains Hydrocarbon Naphthas)  
**Hazard Class:** 4.1  
**Packing group:** II

### IMDG/IMO

**UN ID no:** UN1325  
**Proper shipping name:** Flammable solid, organic, n.o.s. (Contains Hydrocarbon Naphthas)  
**Hazard class:** 4.1  
**Packing group:** II

## 15. REGULATORY INFORMATION

### U.S. Regulations

**OSHA Hazardous Chemical:** Yes

### Sara Title III

#### **CERCLA/SARA (304) Hazardous Substances and RQs**

Ingredient	CAS Registry Number	Weight %	RQ
Hydrotreated Light Distillate	64742-47-8	60 - 70%	-
Petroleum oil	-	10 - 20%	-
Wax blend	Proprietary	20 - 30%	-

#### **SARA (302) Extremely Hazardous Substances and RQs**

Ingredient	CAS Registry Number	Weight %	RQs
Hydrotreated Light Distillate	64742-47-8	60 - 70%	-
Petroleum oil	-	10 - 20%	-
Wax blend	Proprietary	20 - 30%	-

#### **SARA (311/312) Classification:**

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## 15. REGULATORY INFORMATION

**Acute health hazard:** Yes  
**Chronic health hazard:** No  
**Fire:** Yes  
**Sudden release of pressure:** No  
**Reactive:** No

### SARA (313) Toxic Chemicals

Ingredient	CAS Registry Number	Weight %	SARA (313) List
Hydrotreated Light Distillate	64742-47-8	60 - 70%	Not Listed
Petroleum oil	-	10 - 20%	Not Listed
Wax blend	Proprietary	20 - 30%	Not Listed

### International Inventories

<b>Australia:</b>	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).
<b>Canada:</b>	This product complies with DSL
<b>China:</b>	This product complies with CLECS.
<b>Europe:</b>	This product complies with EINECS
<b>Japan:</b>	This product does not comply with ENCS/MITI.
<b>Korea:</b>	This product does not comply with ECL.
<b>New Zealand:</b>	This product complies with NEWZ
<b>Philippines:</b>	This product does not comply with PICCS.
<b>United States:</b>	This product complies with TSCA.

## 16. OTHER INFORMATION

### Hazardous Material Information System (USA):

**Health:** 1      **Flammability:** 1      **Physical hazard:** 0      **Personal Protection code:** H

### National Fire Protection Association (USA):

**Health:** 1      **Flammability:** 1      **Instability:** 0      **Special Hazards:** None

All revisions are marked with one or more asterisks (\*)

**Prepared by:** Karen M. Kuroda

**Revision number:** 0

**Revision date:** 04/10/2008

**Review date:** 04/12/2008

**Print date:** 04/12/2008

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**16. OTHER INFORMATION*****Disclaimer***

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