



Safety Data Sheet (SDS) International (GHS)

Revision date:3/6/2014

SECTION 1: Identification

Product identifiers:

Product trade name: CARNAPOL* 10 Wax
Company product number: WXCN10PC
Other means of identification: Not Available

Recommended use of the chemical and restrictions on use:

Uses: Finish for leather
Restrictions on use: None identified

Manufacturer/ Supplier:
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SECTION 2: Hazard(s) identification

Classification of the substance or mixture:

Skin Irritation, category 3, H316
Eye Irritation, category 2, H319
Hazardous to the aquatic environment, Acute, category 3, H402

Label elements:

Hazard pictogram(s):



Signal word:
Warning

Hazard statements:

H316 Causes mild skin irritation
H319 Causes serious eye irritation.
H402 Harmful to aquatic life.

Precautionary statements:

P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

SDS Name: CARNAPOL* 10 Wax

P501 Dispose of contents/container in accordance with local, regional and international regulations.

Notes: No Additional Information

Classification and hazards statements are listed according to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Regulations in individual countries/regions may determine which classifications and hazard statements are applicable based on adopted hazard classes and categories. Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Annex III. Regulations in individual countries/regions may determine which statements are required on the product label. See product label for specifics.

Other hazards: No Additional Information

See Section 11 for toxicological information.

SECTION 3: Composition/information on ingredients

Mixture:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Weight%</u>
0009004-98-2	Polyethylene glycol monooleyl ether	10-25
Proprietary	Paraffin wax (petroleum)	2.5-10
0000056-81-5	Glycerol	2.5-10

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

SECTION 4: First-aid measures

Description of first aid measures:

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact: Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. If eye irritation persists: Get medical advice/attention.

Skin contact: Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation: If affected, remove to fresh air. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

Protection of first aid responders: Wear proper personal protective clothing and equipment.

Most important symptoms and effects, both acute and delayed: Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

Indication of any immediate medical attention and special treatment needed, if necessary: Treat symptomatically.

SECTION 5: Fire-fighting measures

Extinguishing media:

Suitable: Carbon dioxide, foam, dry chemical, water.

Unsuitable: None known.

Special hazards arising from the chemical:

Unusual fire/explosion hazards: This product is not known to present any fire hazard. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (10.6 Hazardous decomposition products) for additional information.

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire

as well as during the attack phase of firefighting operations.

See section 9 for additional information.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Personal Protective Equipment must be worn.

Environmental precautions: Do not flush product into public sewer, water systems or surface waters.

Methods and materials for containment and cleaning up: Contain spill. Wear proper personal protective clothing and equipment. Scrape up excess and place in drums.. Recover as much as possible for reuse. Place into labeled, closed container; store in safe location to await disposal. Wash the spill area with soap and water. Change contaminated clothing and laundry before reuse.

SECTION 7: Handling and storage

Precautions for safe handling: As with any chemical product, use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid breathing dust, vapor, mist or gas. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area.

Conditions for safe storage, including any compatibilities: Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product.

SECTION 8: Exposure controls / personal protection

Control parameters:

Occupational exposure limits (OEL):

<u>Chemical Name</u>	<u>ACGIH - TWA</u>	<u>ACGIH - STEL</u>		
Polyethylene glycol monooleyl ether	N/E	N/E		
Paraffin wax (petroleum)	2.00 mg/m3 (fume)	N/E		
Glycerol	N/E	N/E		
<u>Chemical Name</u>	<u>Australia</u>	<u>New Zealand</u>	<u>China GBZ 2.1-2007</u>	<u>Hong Kong</u>
Polyethylene glycol monooleyl ether	N/E	N/E	N/E	N/E
Paraffin wax (petroleum)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA, 4 mg/m3 STEL (fume)	N/E
Glycerol	10 mg/m3 TWA (inspirable dust, mist)	10 mg/m3 TWA (mist, inhalable dust)	N/E	N/E
<u>Chemical Name</u>	<u>Japan ISHL</u>	<u>Japan JSOH</u>	<u>Korea</u>	<u>Taiwan</u>
Polyethylene glycol monooleyl ether	N/E	N/E	N/E	N/E
Paraffin wax (petroleum)	N/E	N/E	2 mg/m3 TWA (fume)	2 mg/m3 TWA, 4 mg/m3 STEL (fume)
Glycerol	N/E	N/E	10 mg/m3 TWA (mist)	N/E
<u>Chemical Name</u>	<u>Indonesia</u>	<u>Malaysia</u>	<u>Philippines</u>	<u>Singapore</u>
Polyethylene glycol monooleyl ether	N/E	N/E	N/E	N/E
Paraffin wax (petroleum)	2 mg/m3 NAB (fume)	2 mg/m3 TWA (fume)	N/E	2 mg/m3 PEL (fume)
Glycerol	10 mg/m3 NAB (mist, inhalable particulates)	10 mg/m3 TWA (mist)	N/E	10 mg/m3 PEL (mist)

N/E=Not established (no exposure limits established for the listed substances for listed country/region/organization).

The above exposure limits for Paraffin wax refer to paraffin wax fume.

Exposure controls:

Appropriate engineering controls: Always provide effective general and, when necessary, local exhaust ventilation to draw fumes, vapors and/or dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses or goggles required.

Skin and body protection: Wear chemical resistant (impervious) gloves. Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Wear an approved

respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS.

Further information: Eyewash fountains and safety showers are recommended in the work area.

SECTION 9: Physical and chemical properties

Form:	Wax	pH:	Not Available
Appearance:	Tan	Relative density:	0.99
Odour:	Mild	Partition coefficient (n-octanol/water):	Not Available
Odour threshold:	Not Available	% Volatile by weight:	<1%
Solubility in water:	Insoluble	VOC:	<0.1%
Evaporation rate:	Slower than n-butyl acetate	Boiling point °C:	Not Available
Vapour pressure:	Not Available	Boiling point °F:	Not Available
Vapour density:	Not Available	Flash point:	>100 °C (>212 °F) Estimated
Viscosity:	Not Available	Autoignition temperature:	Not Available
Melting point/Freezing point:	Not Available	Flammability (solid, gas):	Not flammable
Oxidising properties:	Not oxidizing	Flammability or explosive limits:	LFL/LEL Not Available UFL/UEL Not Available
Explosive properties:	Not explosive		
Decomposition temperature:	Not Available		

Other information: Amounts specified are typical and do not represent a specification.

SECTION 10: Stability and reactivity

Reactivity: None known.

Chemical stability: This product is stable.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Excessive heat and ignition sources.

Incompatible materials: Avoid contact with reducing agents. Avoid strong bases and oxidizing agents.

Hazardous decomposition products: Oxides of carbon.

SECTION 11: Toxicological information

Information on likely routes of exposure:

General: Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

Eyes: Causes serious eye irritation.

Skin: Causes mild skin irritation.

Inhalation: High airborne concentrations resulting from misting or spraying may cause irritation of the respiratory tract and mucous membranes.

Ingestion: Ingestion may cause irritation.

Acute toxicity information: Not classified (based on available data, the classification criteria are not met). No toxicity studies have been conducted on this product. ATEMix (oral): >5000 mg/kg. ATEMix (dermal): >2000 mg/kg.

Chemical Name	Inhalation LC50	Species	Oral LD50	Species	Dermal LD50	Species
Polyethylene glycol monooleyl ether	N/E		2770-2920 mg/kg	Rat/ adult	N/E	
Paraffin wax (petroleum)	N/E		10000 mg/kg	Rat/ adult	>5000 mg/kg	Rabbit/ adult
Glycerol	>570 mg/m3 (1 hour)	Rat/ adult	12.6 g/kg	Rat/ adult	>10 g/kg	Rabbit/ adult

Skin corrosion/irritation: Causes mild skin irritation - Category 3.

SDS Name: CARNAPOL * 10 Wax

<u>Chemical Name</u>	<u>Skin Irritation</u>	<u>Species</u>
Polyethylene glycol monooleyl ether	Mild irritant	Rabbit/ adult
Paraffin wax (petroleum)	Slight irritant	Rabbit/ adult
Glycerol	Mild irritant	Rabbit/500 mg

Serious eye damage/irritation: Causes serious eye irritation - Category 2 (2A).

<u>Chemical Name</u>	<u>Eye irritation</u>	<u>Species</u>
Polyethylene glycol monooleyl ether	Moderate irritant	Rabbit/ adult
Paraffin wax (petroleum)	Mild irritant	Rabbit/ adult
Glycerol	Mild irritant	Rabbit/500 mg

Respiratory or skin sensitization: Not classified.

<u>Chemical Name</u>	<u>Skin sensitisation</u>	<u>Species</u>
Polyethylene glycol monooleyl ether	Non-sensitizer	Guinea Pig/ adult
Paraffin wax (petroleum)	N/E	
Glycerol	Non-sensitizer	Guinea pig and Human Patch

Carcinogenicity: Not classified.

Germ cell mutagenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity (STOT) - single exposure: Not classified.

Specific target organ toxicity (STOT) - repeated exposure: Not classified. GLYCEROL: In repeated dose toxicity studies, excessive exposure to glycerine may cause increased fat levels in blood. In animals, effects have been reported on the following organs: Gastrointestinal tract, kidneys, liver, lungs.

Aspiration hazard: Not classified (technical impossibility to obtain the data).

Other toxicity information: No additional information available.

SECTION 12: Ecological information

Ecotoxicity: No ecological testing has been conducted on this product.

<u>Chemical Name</u>	<u>Fish 96 hour LC50</u>	<u>Fish 96 hour LC50</u>	<u>Fish Chronic NOEC</u>
Polyethylene glycol monooleyl ether	4.7 mg/L	N/E	N/E
Paraffin wax (petroleum)	N/E	N/E	N/E
Glycerol	51-57 mL/L	>5000 mg/L (24 hour)	N/E
<u>Chemical Name</u>	<u>Invertebrates 48 hour EC50</u>	<u>Invertebrates 24 hour EC50</u>	<u>Invertebrates Chronic NOEC</u>
Polyethylene glycol monooleyl ether	N/E	N/E	N/E
Paraffin wax (petroleum)	N/E	N/E	N/E
Glycerol	N/E	>500 mg/L	N/E
<u>Chemical Name</u>	<u>Algae 96 hour EC50</u>	<u>Algae 72 hour EC50</u>	<u>Algae Chronic NOEC</u>
Polyethylene glycol monooleyl ether	N/E	N/E	N/E
Paraffin wax (petroleum)	N/E	N/E	N/E
Glycerol	TGK 3% >10.000 mg/L (8 day)	N/E	N/E

Persistence and degradability: Not expected to be readily biodegradable.

<u>Chemical Name</u>	<u>Biodegradation</u>
Polyethylene glycol monooleyl ether	Expected to be biodegradable
Paraffin wax (petroleum)	Inherently biodegradable (OECD guidelines)
Glycerol	Readily biodegradable

Bioaccumulative potential: No specific information available.

<u>Chemical Name</u>	<u>Bioconcentration Factor (BCF)</u>	<u>Log Kow</u>
Polyethylene glycol monooleyl ether	N/E	N/E
Paraffin wax (petroleum)	N/E	>6
Glycerol	N/E	-1.76

Mobility in soil: No specific information available.

<u>Chemical Name</u>	<u>Mobility in soil (Koc/Kow)</u>
Polyethylene glycol monooleyl ether	N/E
Paraffin wax (petroleum)	N/E
Glycerol	N/E

Other adverse effects: No additional information available.

SECTION 13: Disposal considerations

Dispose of unused contents (incineration or landfill) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

See Section 8 for recommendations on the use of personal protective equipment.

SECTION 14: Transport information

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

UN number: N/A

UN proper shipping name:

Not regulated - See Bill of Lading for Details

Transport hazard class(es):

U.S. DOT hazard class: N/A

Canada TDG hazard class: N/A

Europe ADR/RID hazard class: N/A

IMDG Code (ocean) hazard class: N/A

ICAO/IATA (air) hazard class: N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

Packing group: N/A

Environmental hazards:

Marine pollutant: Not Applicable

Hazardous substance (USA): Not Applicable

Special precautions for user: Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not Applicable

SECTION 15: Regulatory information

Safety, health and environment regulations/legislation specific for the product:

Japan regulations:

Japan Industrial Safety and Health Law: Paraffin wax.

Japan Fire Service law: Paraffin Wax 3000 kg TQ (flammable substance); Glycerol - Group 4.

Japan Poisonous and Deleterious Substances: No subject chemicals.

Japan Prevention of Marine Pollution and Disaster: Paraffin wax (Category Y); Glycerol (Category Z).

Korean regulations:

Korea Industrial Safety and Health Act: No subject chemicals.

Korea Toxic Chemicals Classification Act: No subject chemicals.

Korea Safety Control of Dangerous Substances Act: No subject chemicals.

Korea Waste Management Act: Waste disposal methods must comply with local and national laws.

Other regulations: No Additional Information

Chemical inventories:

<u>Regulation</u>	<u>Status</u>
Australian Inventory of Chemical Substances (AICS):	Y
Canadian Domestic Substances List (DSL):	N
Canadian Non-Domestic Substances List (NDSL):	Y
China Inventory of Existing Chemical Substances (IECSC):	Y
European Inventory of Existing Chemical Substances (EINECS):	Y

Regulation

Status

European List of Notified Chemical Substances (ELINCS):	N
Japan Existing and New Chemical Substances (ENCS):	N
Korean Existing and Evaluated Chemical Substances (KECL):	N
New Zealand Inventory of Chemicals (NZIoC):	N
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	N
Taiwan Inventory of Existing Chemicals:	Y
U.S. Toxic Substances Control Act (TSCA):	Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed. A "Y" for New Zealand may mean that a qualified group standard may exist for the components in this product.

Chemical inventory notes: New Zealand: One or more components may be covered by a group standard.

SECTION 16: Other information

Legend:

- * : Trademark owned by Emerald Performance Materials, LLC.
- ACGIH: American Conference of Governmental Industrial Hygienists
- N/A: Not Applicable
- N/E: None Established
- STEL: Short Term Exposure Limit
- TWA: Time Weighted Average (exposure for 8-hour workday)

Users Responsibility/Disclaimer of Liability:

The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.

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