

MATERIAL SAFETY DATA SHEET

KOP-COAT, INC.

24 HOUR PRODUCT EMERGENCY NUMBER : 800-548-0489
OUTSIDE U.S.A.: 412-227-2700

RECEIVED
1-24-91

KOP-COAT, INC.
436 SEVENTH AVENUE
PITTSBURGH, PA 15219

CHEMTREC ASSISTANCE: 800-424-9300
CANUTEC: 613-996-6666

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Wolman(R) Deck Stain (VOC Compliant) - Natural Redwood

SYNONYM: None

6-490

CAGE CODE: 00297

PRODUCT USE: Deck Stain

CHEMICAL FAMILY: Alkyd - Acrylic

FORMULA: Mixture

CAS NUMBER: None

DOT INFORMATION

APPLICABLE REGULATION : 49 CFR 171 - 179

U.S. POSTAL REGULATIONS : Shippable

DOT PROPER SHIPPING NAME: None

DOT HAZARD CLASS: None

LABEL: None

UN/NA NUMBER: None

LIMITED QUANTITY: No

SECTION II - HEALTH/SAFETY ALERT

AVOID PROLONGED AND/OR REPEATED CONTACT
OBSERVE GOOD HYGIENE AND SAFETY PRACTICES WHEN HANDLING THIS PRODUCT
DO NOT USE THIS PRODUCT UNTIL MSDS HAS BEEN READ AND UNDERSTOOD

SECTION III - HEALTH HAZARD INFORMATION

EYE: Contact with the eye may cause irritation.

SKIN: Repeated and/or prolonged contact with the skin may cause irritation. May be absorbed through the skin resulting in systemic effects.

INHALATION: Inhalation of dried material dusts may cause respiratory tract irritation.

INGESTION: May cause gastrointestinal disturbances.

REVISION DATE: 12/89
SPECIFICATION SHEET NUMBER:
COMMODITY NUMBER: 00000000

CODE NUMBER: WPR00168DE8901
REPLACES SHEET: WPR00168NO8900

SUPPLIER INFORMATION: Same as manufacturer.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with water for 15 minutes.

SKIN CONTACT: Wash thoroughly with soap and water. If persistent irritation occurs, seek medical aid.

INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid.

INGESTION: Give 1 to 2 glasses of milk or water to victim if conscious and alert. Induce vomiting OR give 1 to 2 oz (30 to 60g) activated charcoal in water to victim if conscious and alert. Seek medical aid.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH PT. & METHOD: None

AUTOIGNITION TEMP: Not applicable

FLAMMABLE LIMITS (% BY VOLUME/AIR):

LOWER: Not applicable

UPPER: Not applicable

EXTINGUISHING MEDIA: Not combustible under expected conditions of use. Use methods applicable to surrounding area.

FIRE-FIGHTING PROCEDURES: Not applicable.

FIRE AND EXPLOSION HAZARDS: Not applicable. Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat. Water could evaporate to expose a combustible residue.

SENSITIVITY TO MECHANICAL IMPACT: No information found

SENSITIVITY TO STATIC DISCHARGE: No information found

SECTION VI - SPILL, LEAK AND DISPOSAL INFORMATION

SPILL OR LEAK PROCEDURES (PRODUCT): Stop leak if no risk involved. Stay upwind. Small spills: Take up with sand or other noncombustible absorbent material. Flush area with water. Dike large spills for later disposal. Contain runoff from fire control and dilution water.

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

SECTION VII - RECOMMENDED EXPOSURE LIMIT/HAZARDOUS INGREDIENTS

EXPOSURE LIMIT (PRODUCT): *respirable dust
 **50 micrograms/m3 (10 hr. respirable free silica)
 ***total particulate

HAZARDOUS INGREDIENTS	CAS NUMBER	% BY WT.	EXPOSURE LIMIT (PPM;MG/M3)
Ethylene Glycol Monobutyl Ether	111-76-2	1-5	ACGIH-TLV 25 121
			OSHA-TWA 25 120
Crystalline Silicon Dioxide	14808-60-7	1-5	ACGIH-TLV - 0.1*
			OSHA-TWA - 0.1
			NIOSH **
Iron Oxide (dust & fume)	1309-37-1	1-5	ACGIH-TLV - 5
			OSHA-TWA - 10***

SECTION VIII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION: Industrial safety glasses, minimum. When needed for 29 CFR 1910.133 (work area conditions), use side shields, goggles and/or faceshield. Chemical goggles; face shield (if splashing is possible).

SKIN PROTECTION: As required, industrial resistant flexible-type gloves (neoprene, PVC, butyl, nitrile or equal - see Section XII).

Wear industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear resistant protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc.

RESPIRATORY PROTECTION: Not normally required except when heated or misted (aerosolized). If ventilation does not maintain inhalation exposures below PEL(TLV), use MSHA/NIOSH approved units as per current 29 CFR 1910.134, Instructions/Warnings and NIOSH-Respirator Decision Logic-Pub.#87.108. If within OSHA protection factor, air purifying OV/filter units OK.

VENTILATION: Not normally required. Ventilation necessary only if material is heated/aerosolized. Provide sufficient general/local exhaust ventilation in pattern/volumeto control inhalation exposures below current exposure limits.

SECTION IX - PERSONAL HANDLING INSTRUCTIONS

HANDLING: No special handling required. Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Observe good personal hygiene practices and recommended procedures.

STORAGE: Keep in a closed, labeled container within a cool (well shaded), dry -ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping. Keep from freezing.

OTHER: High temperatures may increase the need for protective equipment and ventilation. See SECTION XII (COMMENTS) for additional information. Do not wear contaminated clothing. Discard contaminated footwear.

SECTION X - REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None known

INCOMPATIBILITY: None known

HAZARDOUS REACTIONS/DECOMPOSITION/COMBUSTION PRODUCTS: None known

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None known

SECTION XI - PHYSICAL DATA

BOILING POINT: No information found

SPEC. GRAV. OR WT/GAL :8.4 lbs/gal

MELTING POINT: Not applicable

% VOLATILE BY VOL: No information found

VAPOR PRESSURE: No information found

EVAPORATION RATE(ETHER=1): No information found

VAPOR DENSITY(AIR=1): No information found

VISCOSITY: No information found

SOLUBILITY (WATER): soluble

pH: No information found

VOC: 250 grams/liter

COEFFICIENT OF WATER/OIL DISTRIBUTION: No information found

APPEARANCE/ODOR: Reddish brown liquid

SECTION XII - COMMENTS

Overexposure to Ethylene Glycol Monobutyl Ether has apparently been found to cause the following effects in laboratory animals: anemia, liver abnormalities, kidney damage, lung damage, blood abnormalities.

IARC Monograph Vol. 42 states that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and limited evidence for the carcinogenicity of crystalline silica to humans.

No known ingredients which occur at greater than 0.1%, other than those listed above, are listed as a carcinogen in the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA 29 CFR 1910.1001-1047 subpart Z Toxic and Hazardous Substances (Specifically Regulated Substances).

SKIN PROTECTION (protective material): Permeation/degradation values of chemical mixtures cannot be predicted from pure components or chemical classes.

Thus, these materials are normally best estimates based on available pure component data. A significant difference in chemical breakthrough time has been reported for generically similar gloves from different manufacturers (AIHA J., 48, 941-947 1987).

Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products or rest rooms.

Do not wear contact lens without proper eye protection when using this product.

Prepared By: Occupational Health and Product Safety Department - C.A.Hope

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

MATERIAL SAFETY DATA SHEET

KOP-COAT, INC.

24 HOUR PRODUCT EMERGENCY NUMBER : 800-548-0489
OUTSIDE U.S.A. : 412-227-2700

RECEIVED
1-24-91

KOP-COAT, INC.
436 SEVENTH AVENUE
PITTSBURGH, PA 15219

CHEMTREC ASSISTANCE: 800-424-9300
CANUTEC: 613-996-6666

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Wolman (R) Raincoat Water Repellent

6-4-90

COMMODITY NUMBER: 38015386

SYNONYM: None

CAGE CODE: 00297

PRODUCT USE:

CHEMICAL FAMILY: Water Repellant

FORMULA: Mixture

CAS NUMBER: None

DOT INFORMATION

APPLICABLE REGULATION : 49 CFR 171 - 179

U.S. POSTAL REGULATIONS : Not Shippable

DOT PROPER SHIPPING NAME: (Bulk) Combustible Liquid, N.O.S.

DOT HAZARD CLASS: Combustible liquid

LABEL: Combustible liquid

UN/NA NUMBER: NA 1993

LIMITED QUANTITY: Yes

SECTION II - HEALTH/SAFETY ALERT

CAUTION
COMBUSTIBLE

MAY BE FATAL IF SWALLOWED

MAY CAUSE IRRITATION TO SKIN AND EYES

AVOID PROLONGED AND/OR REPEATED CONTACT

OBSERVE GOOD HYGIENE AND SAFETY PRACTICES WHEN HANDLING THIS PRODUCT
DO NOT USE THIS PRODUCT UNTIL MSDS HAS BEEN READ AND UNDERSTOOD

SECTION III - HEALTH HAZARD INFORMATION

EYE: Contact with eye may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation and/or dermatitis.

INHALATION: Inhalation of high concentrations may cause nausea, vomiting, cough, pulmonary irritation, central nervous system depression characterized by headache, dizziness, nausea and confusion. Prolonged or repeated inhalation may result in kidney changes and changes affecting blood forming elements.

INGESTION: Aspiration of this product into the lungs may cause pneumonitis, pulmonary edema, and hemorrhage. May cause gastrointestinal disturbances.

REVISION DATE: 03/89
SPECIFICATION SHEET NUMBER: CFR(4/85)
COMMODITY NUMBER: 38015386

CODE NUMBER: WPR00G24MR8902
REPLACES SHEET: WPR00G24NO8701

SUPPLIER INFORMATION: Same as manufacturer.

SECTION VII - RECOMMENDED EXPOSURE LIMIT/HAZARDOUS INGREDIENTS

EXPOSURE LIMIT (PRODUCT): *Limits are for stoddard solvent.
 **NIOSH - 350 (10 hr. TWA), 1800 (15 min. ceiling)

HAZARDOUS INGREDIENTS	CAS NUMBER	% BY WT.	EXPOSURE LIMIT (PPM;MG/M3)
Mineral Spirits(*) (**)	8051-42-3	<80	ACGIH-TLV 100
			OSHA-PEL 500
			525
Paraffin Wax (Fume)	8002-74-2	<3	ACGIH-TLV 2
			OSHA-PEL 2900
			ACGIH-STEL 6

SECTION VIII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION: Industrial safety glasses, minimum. As necessary to comply with 29 CFR 1910.133 and work area conditions: use side shields, goggles or face shield. Chemical goggles; face shield (if splashing is possible).

SKIN PROTECTION: As required, industrial resistant flexible-type gloves (nitrile, neoprene, or equal). Wear industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear impervious protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc.

RESPIRATORY PROTECTION: If ventilation does not maintain inhalation exposures below TLV(PEL), use MSHA/NIOSH approved units as per current 29 CFR1910.134 and manufacturers' "Instructions" and "Warnings". Combination filter/organic vapor cartridges or canister may be used.

VENTILATION: Provide sufficient general/local exhaust ventilation in pattern/volume to control inhalation exposures below current exposure limits and areas below flammable vapor concentrations. Local exhaust is necessary for use in enclosed or confined spaces. See OSHA Requirement/NIOSH Pub. 80-106 "Working in a Confined Space".

SECTION IX - PERSONAL HANDLING INSTRUCTIONS

HANDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Observe good personal hygiene practices and recommended procedures. Handle and use in accordance with OSHA 29CFR1910.106/local codes.

STORAGE: Store in areas/buildings designed to comply with OSHA 1910.106. Keep in a closed, labeled container within a cool (well shaded), dry -ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

OTHER: Not for use or storage in or around the home. DO NOT TAKE INTERNALLY. Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact and before eating, drinking, using tobacco products or rest rooms.

SECTION X - REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Keep away from heat, sparks, open flame and fire.

INCOMPATIBILITY: strong oxidizing materials

HAZARDOUS REACTIONS/DECOMPOSITION/COMBUSTION PRODUCTS: May produce carbon monoxide or carbon dioxide by thermal decomposition.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: none

SECTION XI - PHYSICAL DATA

BOILING POINT: 156-178C/313-354F

SPEC. GRAV. OR WT/GAL :0.81

MELTING POINT: No information found

% VOLATILE BY VOL: 80%

VAPOR PRESSURE: 2 mm Hg @ 20 C

EVAPORATION RATE(ETHER=1): <1*

VAPOR DENSITY(AIR=1): >1

VISCOSITY: No information found

SOLUBILITY
(WATER): negligible

pH: No information found

VOC: No information found

COEFFICIENT OF WATER/OIL DISTRIBUTION: No information found

FREEZING POINT: <-18 C (<0 F)

APPEARANCE/ODOR: Light amber-colored liquid with a mild petroleum odor
*butyl acetate = 1

SECTION XII - COMMENTS

Individuals with pre-existing disease in or a history of ailments involving the kidney, blood forming elements, skin are at a greater than normal risk of developing adverse effects when exposed to this material.

EMPTY CONTAINERS may retain product residue including flammable or explosive vapors. Do not cut, drill, grind or weld on or near full, partially full or empty product containers.

No known ingredients which occur at greater than 0.1% are listed as a carcinogen in the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA 29 CFR 1910.1001-1047 subpart Z Toxic and Hazardous Substances (Specifically Regulated Substances).

SKIN PROTECTION (protective material): Permeation/degradation values of chemical mixtures cannot be predicted from pure components or chemical classes.

Thus, these materials are normally best estimates based on available pure component data. A significant difference in chemical breakthrough time has been reported for generically similar gloves from different manufacturers (AIHA J., 48, 941-947 1987).

Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products or rest rooms. Do not wear contact lens without proper eye protection when using this product.

Prepared By: Occupational Health and Product Safety Department - C.A.Hope

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

MATERIAL SAFETY DATA SHEET

KOP-COAT, INC.

24 HOUR PRODUCT
EMERGENCY NUMBER : 800-548-0489
OUTSIDE U.S.A.: 412-227-2700

KOP-COAT, INC.
436 SEVENTH AVENUE
PITTSBURGH, PA 15219

RECEIVED
1-24-90

CHEMTREC ASSISTANCE: 800-424-9300
CANUTEC: 613-996-6666

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Wolman(R) Clear Wood Preservative with Water Repellent 6-4-90

COMMODITY NUMBER: 38014366

SYNONYM: None

CAGE CODE: 00297

PRODUCT USE: Wood Preservative

CHEMICAL FAMILY: Zinc naphthenate preservative

FORMULA: Mixture

CAS NUMBER: None

DOT INFORMATION

APPLICABLE REGULATION : 49 CFR 171 - 179

U.S. POSTAL REGULATIONS : Not Shippable

DOT PROPER SHIPPING NAME: See SECTION XII - COMMENTS

DOT HAZARD CLASS: Bulk: Combustible Liquid; Non-Bulk: Not Hazardous.

LABEL:

UN/NA NUMBER: See SECTION XII

LIMITED QUANTITY: Yes

SECTION II - HEALTH/SAFETY ALERT

CAUTION

COMBUSTIBLE

HARMFUL IF INHALED

MAY BE FATAL IF SWALLOWED

MAY CAUSE IRRITATION TO SKIN AND EYES

USE WITH ADEQUATE VENTILATION

AVOID PROLONGED AND/OR REPEATED CONTACT

OBSERVE GOOD HYGIENE AND SAFETY PRACTICES WHEN HANDLING THIS PRODUCT

DO NOT USE THIS PRODUCT UNTIL MSDS HAS BEEN READ AND UNDERSTOOD

SECTION III - HEALTH HAZARD INFORMATION

EYE: Contact with eye may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin.

INHALATION: Inhalation of high concentrations may cause nausea, vomiting, cough and pulmonary irritation, central nervous system depression characterized by headache, dizziness, nausea, and confusion. Prolonged or repeated inhalation may result in kidney changes and changes affecting blood forming elements.

INGESTION: Aspiration of this product into the lungs may cause pneumonitis, pulmonary edema, and hemorrhage. Ingestion may cause gastrointestinal disturbances.

REVISION DATE: 02/89
SPECIFICATION SHEET NUMBER: CFR(4/85)
COMMODITY NUMBER: 38014366

CODE NUMBER: WPR00C36FE8909
REPLACES SHEET: WPR00C36JU8808

SUPPLIER INFORMATION: Same as manufacturer.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with large amounts of water for 15 minutes. Seek medical aid.

SKIN CONTACT: Wash thoroughly with soap and water. If irritation persists, seek medical aid. Wash contaminated clothing before reuse.

INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid.

INGESTION: Immediately seek medical aid. Do not induce vomiting. Give 1 glass of milk or 1 to 2 oz (30 to 60g) of activated charcoal in water to victim as tolerated. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH PT. & METHOD: 40-46C(105-115F)TCC AUTOIGNITION TEMP: Not applicable

FLAMMABLE LIMITS (% BY VOLUME/AIR):
LOWER: Not applicable UPPER: Not applicable

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam or water spray. Use water spray (fog).

FIRE-FIGHTING PROCEDURES: Wear complete fire service protective equipment, including full-face MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Toxic vapors may be given off in a fire.

FIRE AND EXPLOSION HAZARDS: When heated (fire conditions), vapors/decomposition products may be released forming flammable/explosive mixtures in air. Closed containers may explode when exposed to extreme heat (fire).

SENSITIVITY TO MECHANICAL IMPACT: No information found

SENSITIVITY TO STATIC DISCHARGE: No information found

SECTION VI - SPILL, LEAK AND DISPOSAL INFORMATION

SPILL OR LEAK PROCEDURES (PRODUCT): Stop leak if no risk involved. Stay upwind. Small spills: Take up with sand or other noncombustible absorbent material. Flush area with water. Ventilate area at least 24 hr. or until area has been declared safe. This material may react with oxidizing agents. 7.1 or more pounds. This product released into the environment must be reported to the National Response Center (1 800-424-8802). The reportable quantity (RQ) is triggered when any amount is released from a package of

DOT REPORTABLE QUANTITIES

5000 lbs. Cyclohexanone

WASTE DISPOSAL: This product is a US EPA defined ignitable hazardous waste. Dispose of in accordance with local, state, and federal regulations. Avoid storing material next to or near water and oxidizing materials. Burning will produce toxic fumes. When released as a waste, this material has a RQ value of 100 pounds. EPA Ignitable.

SECTION VII - RECOMMENDED EXPOSURE LIMIT/HAZARDOUS INGREDIENTS

EXPOSURE LIMIT (PRODUCT): *NIOSH - 25 ppm, 100 mg/m³ 10 hr. TWA
 **NIOSH - 350 mg/m³ 10 hr. TWA, 1800 mg/m³ 15 min. ceiling

HAZARDOUS INGREDIENTS	CAS NUMBER	% BY WT.	EXPOSURE LIMIT (PPM;MG/M3)
Cyclohexanone (Skin)*	108-94-1	<15	ACGIH-TLV 25
			ACGIH-STEL 100
			OSHA-PEL 50
Hexylene Glycol	107-41-5	<10	ACGIH-TLV 25 C
			ACGIH-TLV 100
			OSHA-PEL 500
Mineral Spirits**	8051-42-3	<60	ACGIH-TLV 125 C
			ACGIH-TLV 525
			OSHA-PEL 2900

SECTION VIII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION: Industrial safety glasses, minimum. As necessary to comply with 29 CFR 1910.133 and work area conditions: use side shields, goggles or face shield. Chemical goggles; face shield (if splashing is possible).

SKIN PROTECTION: As required, industrial resistant flexible-type gloves. Wear industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear impervious protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc.

RESPIRATORY PROTECTION: If ventilation does not maintain inhalation exposures below TLV(PEL), use MSHA/NIOSH approved units as per current 29 CFR1910.134 and manufacturers' "Instructions" and "Warnings". Combination filter/organic vapor cartridges or canister may be used.

VENTILATION: Provide sufficient general/local exhaust ventilation in pattern/volume to control inhalation exposures below current exposure limits and areas below flammable vapor concentrations. Local exhaust is necessary for use in enclosed or confined spaces. See OSHA Requirement/NIOSH Pub. 80-106 "Working in a Confined Space".

SECTION IX - PERSONAL HANDLING INSTRUCTIONS

HANDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Observe good personal hygiene practices and recommended procedures. Handle and use in accordance with OSHA 29CFR1910.106/local codes.

STORAGE: Store in areas/buildings designed to comply with OSHA 1910.106. Keep in a closed, labeled container within a cool (well shaded), dry -ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

OTHER: Not for use or storage in or around the home. DO NOT TAKE INTERNALLY. Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact and before eating, drinking, using tobacco products or rest rooms.

SECTION X - REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Keep away from heat, sparks, open flame and fire.

INCOMPATIBILITY: strong oxidizing agents

HAZARDOUS REACTIONS/DECOMPOSITION/COMBUSTION PRODUCTS: May produce carbon monoxide by thermal decomposition.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: none

SECTION XI - PHYSICAL DATA

BOILING POINT: 148-204C/300-400F

SPEC. GRAV. OR WT/GAL :0.84 @ 25 C

MELTING POINT: No information found

% VOLATILE BY VOL: 80%

VAPOR PRESSURE: 25mm Hg @ 37C/100F

EVAPORATION RATE(ETHER=1): <1*

VAPOR DENSITY(AIR=1): >1

VISCOSITY: No information found

SOLUBILITY
(WATER): negligible

pH: No information found

VOC: No information found

COEFFICIENT OF WATER/OIL DISTRIBUTION: No information found

<-18 C (<0 F)

APPEARANCE/ODOR: water white liquid with a petroleum odor
*butyl acetate = 1

SECTION XII - COMMENTS

Individuals with pre-existing disease in or a history of ailments involving the kidney, blood-forming elements, skin are at a greater than normal risk of developing adverse effects when exposed to this material.

DOT PROPER SHIPPING NAME: Bulk Shipments - Combustible Liquid, N.O.S.;
Non-Bulk Shipments - Not Hazardous

UN/NA NUMBER: Bulk Shipments - NA 1993; Non-Bulk Shipments - Not Hazardous.

EPA Registration Number: 60061-9.

No known ingredients which occur at greater than 0.1% are listed as a carcinogen in the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA 29 CFR 1910.1001-1047 subpart Z Toxic and Hazardous Substances (Specifically Regulated Substances).

SKIN PROTECTION (protective material): Permeation/degradation values of chemical mixtures cannot be predicted from pure components or chemical classes.

Thus, these materials are normally best estimates based on available pure component data. A significant difference in chemical breakthrough time has been reported for generically similar gloves from different manufacturers (AIHA J., 48, 941-947 1987).

Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products or rest rooms.

Do not wear contact lens without proper eye protection when using this product.

Prepared By: Occupational Health and Product Safety Department - C.A.Hope

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

MATERIAL
SAFETY
DATA
SHEET

KOP-COAT, INC.

24 HOUR PRODUCT

EMERGENCY NUMBER : 800-548-0489

OUTSIDE U.S.A.: 412-227-2700

KOP-COAT, INC.
436 SEVENTH AVENUE
PITTSBURGH, PA 15219

RECEIVED
1-24-91

CHEMTREC ASSISTANCE: 800-424-9300
CANUTEK: 613-996-6666

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Wolman(R) Raincoat Water Repellent with Natural Wood Toner 6490

SYNONYM: None

CAGE CODE: 00297

PRODUCT USE:

CHEMICAL FAMILY: Hydrocarbon

FORMULA: Mixture

CAS NUMBER: None

DOT INFORMATION

APPLICABLE REGULATION : 49 CFR 171 - 179

U.S. POSTAL REGULATIONS : Not Shippable

DOT PROPER SHIPPING NAME: None

DOT HAZARD CLASS: None

LABEL:

UN/NA NUMBER: None

LIMITED QUANTITY: Yes

SECTION II - HEALTH/SAFETY ALERT

AVOID PROLONGED AND/OR REPEATED CONTACT
OBSERVE GOOD HYGIENE AND SAFETY PRACTICES WHEN HANDLING THIS PRODUCT
DO NOT USE THIS PRODUCT UNTIL MSDS HAS BEEN READ AND UNDERSTOOD

SECTION III - HEALTH HAZARD INFORMATION

EYE: Contact with the eye may cause irritation.

SKIN: Repeated and/or prolonged contact with the skin may cause irritation.

INHALATION: Not anticipated to produce adverse health effects.

INGESTION: Not anticipated to produce adverse health effects.

REVISION DATE: 07/88
SPECIFICATION SHEET NUMBER:
COMMODITY NUMBER: 00000000

CODE NUMBER: WPR00131JL8800
REPLACES SHEET: NA

SUPPLIER INFORMATION: Same as manufacturer.

SECTION VII - RECOMMENDED EXPOSURE LIMIT/HAZARDOUS INGREDIENTS

EXPOSURE LIMIT (PRODUCT): None established.

----- SARA TITLE III SECTION 313 CHEMICALS -----
(SEE SECTION VII FOR CAS NUMBERS AND PERCENTAGES)

None

SECTION VIII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION: Industrial safety glasses, minimum. When needed for 29 CFR 1910.133 (work area conditions), use side shields, goggles and/or faceshield. Chemical goggles; face shield (if splashing is possible).

SKIN PROTECTION: As required, industrial resistant flexible-type gloves (neoprene, PVC, butyl, nitrile or equal - see Section XII).

Wear industrial-type work clothing and safety footwear.
Depending on working conditions, i.e., contact potential, wear resistant protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc.

RESPIRATORY PROTECTION: Not normally required except when heated or misted (aerosolized). If ventilation does not maintain inhalation exposures below PEL(TLV), use MSHA/NIOSH approved units as per current 29 CFR 1910.134, Instructions/Warnings and NIOSH-Respirator Decision Logic-Pub.#87.108. If within OSHA protection factor, air purifying OV/filter units OK.

VENTILATION: Not normally required. Ventilation necessary only if material is heated/aerosolized. Provide sufficient general/local exhaust ventilation in pattern/volumeto control inhalation exposures below current exposure limits.

SECTION IX - PERSONAL HANDLING INSTRUCTIONS

HANDLING: No special handling required. Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Observe good personal hygiene practices and recommended procedures.

STORAGE: Keep in a closed, labeled container within a cool (well shaded), dry -ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping. Keep from freezing.

OTHER: High temperatures may increase the need for protective equipment and ventilation. See SECTION XII (COMMENTS) for additional information. Do not wear contaminated clothing. Discard contaminated footwear.

SECTION X - REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None known

INCOMPATIBILITY: None known

HAZARDOUS REACTIONS/DECOMPOSITION/COMBUSTION PRODUCTS: None known

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None known

SECTION XI - PHYSICAL DATA

BOILING POINT: No information found

SPEC. GRAV. OR WT/GAL :8.4 lbs/gal

MELTING POINT: Not applicable

% VOLATILE BY VOL: No information found

VAPOR PRESSURE: No information found

EVAPORATION RATE(ETHER=1): No information found

VAPOR DENSITY(AIR=1): No information found

VISCOSITY: No information found

SOLUBILITY
(WATER): soluble

pH: 10

VOC: No information found

COEFFICIENT OF WATER/OIL DISTRIBUTION: No information found

APPEARANCE/ODOR: White, milky liquid.

SECTION XII - COMMENTS

No known ingredients which occur at greater than 0.1% are listed as a carcinogen in the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA 29 CFR 1910.1001-1047 subpart Z Toxic and Hazardous Substances (Specifically Regulated Substances).

SKIN PROTECTION (protective material): Permeation/degradation values of chemical mixtures cannot be predicted from pure components or chemical classes. Thus, these materials are normally best estimates based on available pure component data. A significant difference in chemical breakthrough time has been reported for generically similar gloves from different manufacturers (AIHA J., 48, 941-947 1987).

Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products or rest rooms.

Do not wear contact lens without proper eye protection when using this product.

Prepared By: Occupational Health and Product Safety Department - C.A.Hope

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

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