

Varn International, Inc., a Flint Group Company

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For Health and Safety Questions call: (800) 336-VARN(8276)
After Hours Emergency Health/Safety Questions: (800) 391-0698 Prosar (US/Canada)
24 Hour Emergency Spill Contact call: (800) 424-9300 Chemtrec (US/Canada)

Material Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: COLOR WASH STEP-2
Product Code: 650-B010032
MSDS Code: MSD-00939955
Revision Number: 1
Revision Date: 2011-03-02 20:47:51

II. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
64742-47-8	Hydrotreated Light Distillate (Petroleum)	15 - 40
64742-48-9	Naphtha (petroleum), hydrotreated heavy	10 - 30
64742-95-6	Solvent naphtha (petroleum), light arom.	10 - 30
123-42-2	4-Hydroxy-4-Methyl-2-Pentanone	7 - 13
95-63-6	1,2,4-Trimethylbenzene	5 - 10
108-67-8	1,3,5-Trimethylbenzene	1 - 5
94266-47-4	Citrus Terpenes	1 - 5
526-73-8	1,2,3-Trimethylbenzene	0.5 - 1.5

Please see Section VIII for product and component exposure guidelines.

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

HMIS Rating **Health:** 2 **Flammability:** 2 **Reactivity:** 0

This product falls under the following WHMIS class:

B3

Routes of Entry: Inhalation, Ingestion, Skin contact, Eye contact
Target Organs: Lungs, Eyes, Central Nervous System, Respiratory Tract, Skin, Liver, Blood
Medical Conditions Aggravated: Eye disease, Respiratory disease including asthma and bronchitis, Skin disease including eczema and sensitization, Liver disease, Lung disease

Immediate (Acute) Health Effects by Route of Exposure

Inhalation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

COLOR WASH STEP-2

Ingestion: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects

Reproductive and Developmental: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure.

Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

Ingredients of this product appear on the following OSHA identified carcinogen lists at >= 0.1% by weight (yes/no):

OSHA No	NTP No	IARC 1 & 2A No	NIOSH No
		IARC 2B No	

IV. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Wash clothing before reuse. Remove contaminated clothing and continue flushing with water.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis.

V. FIRE FIGHTING MEASURES

Flammability Summary: Combustible NFPA II (NFPA description only; not to be used for shipping purposes)

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Flash Point: 38 C (100 F) - 60 C (140F)
Firepoint: Firepoint not determined.
Upper Flammable/Explosive Limit, % in air: 6.9
Lower Flammable/Explosive Limit, % in air: 0.8

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

VII. HANDLING AND STORAGE

Product Use: Press Wash

Handling Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Ground and bond containers when transferring material. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get in eyes, on skin or clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Wash thoroughly after handling. Use non-sparking tools when opening or closing containers.

Storage Conditions: Store in a cool dry place. Isolate from incompatible materials. Do not store in direct sunlight. Keep away from heat, sparks, and flame. Keep container closed when not in use.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. It is recommended that facilities storing or using this material be equipped with an eyewash and safety shower.

Respiratory Protection: Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

Eye Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin Protection: Wear protective gloves. Inspect gloves at regular intervals and replace as necessary. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where use can result in skin contact, practice good personal hygiene.

Gloves: Wear impervious material. Butyl rubber or Nitrile

Exposure Guidelines:

CAS#	Chemical Name	OSHA Exposure Limits	ACGIH TLV - TWA	ACGIH STEL	IDLH
64742-47-8	Hydrotreated Light Distillate (Petroleum)		No TLV	No STEL	Not on list
64742-48-9	Naphtha (petroleum), hydrotreated heavy		No TLV	No STEL	Not on list
64742-95-6	Solvent naphtha (petroleum), light arom.		No TLV	No STEL	Not on list
123-42-2	4-Hydroxy-4-Methyl-2-Pentanone	50 ppm TWA; 240 mg/m3 TWA	50 ppm TWA	No STEL	Not on list
95-63-6	1,2,4-Trimethylbenzene		No TLV	No STEL	Not on list
108-67-8	1,3,5-Trimethylbenzene		No TLV	No STEL	Not on list
94266-47-4	Citrus Terpenes		No TLV	No STEL	Not on list
526-73-8	1,2,3-Trimethylbenzene		No TLV	No STEL	Not on list

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m3).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m3.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Petroleum or solvent
Solubility in Water:	Emulsifies
Vapor Pressure (mmHg @ 20 deg. C):	2.9
Volatile Organic Chemicals % by wt:	99.59
VOC lb/gal	6.88
Specific Gravity:	0.83
Bulk Density (lbs/Gal):	6.91
Bulk Density (kg/L):	0.83

X. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Temperatures above flash point in combination with sparks, open flames, or other sources of ignition.

Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents.

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data (NIOSH):

CAS#	Chemical Name	LD50/LC50
64742-47-8	Hydrotreated Light Distillate (Petroleum)	No data available
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg
64742-95-6	Solvent naphtha (petroleum), light arom.	Inhalation LC50 Rat >5.2 mg/L 4 h; Inhalation LC50 Rat 3400 ppm 4 h; Oral LD50 Rat 8400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
123-42-2	4-Hydroxy-4-Methyl-2-Pentanone	ORAL, RAT: LD50 = 4 GM/KG; ORAL, MOUSE: LD50 = 3950 MG/KG; SKIN, RABBIT: LD50 = 13500 MG/KG
95-63-6	1,2,4-Trimethylbenzene	ORAL, RAT: LD50 = 5 GM/KG; INHALATION, RAT: LC50 = 18 GM/M3/4H
108-67-8	1,3,5-Trimethylbenzene	Inhalation LC50 Rat 24 g/m3 4 h; Oral LD50 Rat 5000 mg/kg
94266-47-4	Citrus Terpenes	ORAL, RAT: LD50 = 4400 MG/KG; ORAL, MOUSE: LD50 = 5600 MG/KG; SKIN, RABBIT: LD50 = >5 GM/KG
526-73-8	1,2,3-Trimethylbenzene	No data available

XII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product:	Spent or discarded material may be a hazardous waste.
Disposal Methods:	Dispose in accordance with Federal, State, Provincial and Local regulations. Material may be compatible with industrial waste incineration or inclusion in a fuel blending program. This characterization is subject to approval by your waste management contractor. This material should be recycled if possible.

XIII. REGULATORY INFORMATION

TSCA Status	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
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Chemical Name	CAS #	Regulation	Percentage
Benzene, dimethyl-	1330-20-7	CERCLA	0.92
Benzene, (1-methylethyl)-	98-82-8	CERCLA	0.61
Hydrotreated heavy naphtha	64742-48-9	NPRI (Cdn)	22.88
Light aromatic solvent naphtha	64742-95-6	NPRI (Cdn)	13.76
1,2,4-Trimethylbenzene	95-63-6	NPRI (Cdn)	9.75
Benzene, (1-methylethyl)-	98-82-8	PROP 65	0.61
Naphthalene	91-20-3	PROP 65	0.02
1,2,4-Trimethylbenzene	95-63-6	SARA 313	9.75
Xylene (mixed isomers)	1330-20-7	SARA 313	0.92
Cumene	98-82-8	SARA 313	0.61
Nonylphenol, branched, ethoxylated (<18% Glycol Ether)	68412-54-4	SARA 313	0.33
Not on list		SARA EHS	

The following items require export notification for TSCA

Chemical Name
Diacetone alcohol

TSCA 12b list section
Section 4, 1 % de minimus concentration

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains information required by the Controlled Products Regulations.

XIV. TRANSPORTATION INFORMATION

49CFR/TDG - Non-bulk:	GROUND SHIPMENTS NOT REGULATED IN PACKAGINGS OF 119 GAL (450 L) OR LESS.
49CFR/TDG - Bulk:	UN1993, FLAMMABLE LIQUID, N.O.S. (NAPHTHA), 3, PGIII, ERG128
IATA - Limited Quantity:	LIMITED QUANTITY EXCEPTION MAY BE USED IF EACH INNER PACKAGING IS 1.3 GAL (5 L) OR LESS. ADD "LTD QTY" TO DESCRIPTION.
IATA - Non-bulk:	UN1993, FLAMMABLE LIQUID, N.O.S. (NAPHTHA), 3, PGIII, ERG128
IATA - Bulk:	UN1993, FLAMMABLE LIQUID, N.O.S. (NAPHTHA), 3, PGIII, ERG128
IMDG - Non-bulk:	REGULATED. REFER TO BILL OF LADING.

XV. ADDITIONAL INFORMATION

References:

Disclaimer: Varn International, Inc. a Flint Group Company has prepared this Material Safety Data Sheet ("MSDS") in compliance with 29 CFR 1910.1200, understands that its customers may use this MSDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this MSDS shall not constitute a warranty with respect thereto.