

Varn International, Inc., a Flint Group Company

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For Product Questions call: (800) 336-VARN(8276)
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: TAKE-IT-OFF
Product Code: 650-B014255
MSDS Code: MSD-00940035
Revision Number: 1
Revision Date: 2011-03-13 20:30:09

II. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
64742-47-8	Hydrotreated Light Distillate (Petroleum)	5 - 10
64742-48-9	Naphtha (petroleum), hydrotreated heavy	3 - 7
68412-54-4	Poly (oxy,-ethanediyl), -(nonylphenyl)-hydroxy-, branched	3 - 7
34590-94-8	Dipropylene Glycol Monomethyl Ether	1 - 5
102-71-6	Triethanolamine	1 - 5
107-21-1	Ethylene Glycol	1 - 5
123-42-2	4-Hydroxy-4-Methyl-2-Pentanone	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
HMIS Flammability based upon firepoint exemption.

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, Kidneys, Heart, Skin, Liver
Medical Conditions Aggravated: Eye disease, Respiratory disease including asthma and bronchitis, Kidney disease, Skin disease including eczema and sensitization, Liver 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 minor skin irritation, defatting, and dermatitis.

Eye Contact: Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

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.

Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent 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.

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 IIIA. Material will ignite but will not sustain combustion.

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid. Dry chemical Carbon dioxide Alcohol foam

Fire and/or Explosion Hazards: Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point.

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. Use methods for the surrounding fire.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Flash Point: >60 C (140 F) - < 93 C (200 F)
Firepoint: Firepoint calculated >212F (100C)

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 Roller Cleaning Agent

Handling Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Wash thoroughly after handling. 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.

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. Keep from freezing.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: General room ventilation might be required to maintain operator comfort under normal conditions of use.

Respiratory Protection: No respiratory protection required under normal conditions of use.

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: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

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
68412-54-4	Poly (oxy,-ethanediyl), -(nonylphenyl)-hydroxy-, branched		No TLV	No STEL	Not on list

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34590-94-8	Dipropylene Glycol Monomethyl Ether	100 ppm TWA; 600 mg/m3 TWA prevent or reduce skin absorption	100 PPM TWA; 606 MG/M3 TWA	150 PPM STEL; 909 MG/M3 STEL	600 ppm IDLH
102-71-6	Triethanolamine		5 MG/M3 TWA	No STEL	Not on list
107-21-1	Ethylene Glycol		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

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:	Semi-solid
Color:	White to off-white
Odor:	Petroleum or solvent
Solubility in Water:	Emulsifies
Vapor Pressure (mmHg @ 20 deg. C):	0.2
Volatile Organic Chemicals % by wt:	38.04
VOC lb/gal	2.91
Specific Gravity:	0.92
Bulk Density (lbs/Gal):	7.66
Bulk Density (kg/L):	0.92

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:	Copper Copper alloys Strong acids Strong alkalis

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
68412-54-4	Poly (oxy,-ethanediyl), - (nonylphenyl)-hydroxy-, branched	No data available
34590-94-8	Dipropylene Glycol Monomethyl Ether	Oral LD50 Rat 5230 mg/kg; Dermal LD50 Rabbit 9500 mg/kg
102-71-6	Triethanolamine	ORAL, RAT: LD50 = 8 GM/KG; ORAL, MOUSE: LD50 = 5846 MG/KG; SKIN, RABBIT: LD50 = >20 ML/KG
107-21-1	Ethylene Glycol	ORAL, RAT: LD50 = 4700 MG/KG; INHALATION, RAT: LC50 = 10876 MG/KG; ORAL, MOUSE: LD50 = 5500 MG/KG; SKIN, RABBIT: LD50 = 9530 UL/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

XII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product:	Spent or discarded material is not expected to be a hazardous waste.
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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.

Chemical Name	CAS #	Regulation	Percentage
Ethylene glycol	107-21-1	CERCLA	2.43
Hydrotreated heavy naphtha	64742-48-9	NPRI (Cdn)	6.76
Polyethylene glycol branched nonylphenyl ether	68412-54-4	NPRI (Cdn)	6.48
Ethylene glycol	107-21-1	NPRI (Cdn)	2.43
Benzene, (1-methylethyl)-	98-82-8	PROP 65	0.02
Nonylphenol, branched, ethoxylated (<18% Glycol Ether)	68412-54-4	SARA 313	6.48
Ethylene glycol	107-21-1	SARA 313	2.43
1,2,4-Trimethylbenzene	95-63-6	SARA 313	0.4
Not on list		SARA EHS	

The following items require export notification for TSCA

Chemical Name

Dipropylene glycol monomethyl ether
 Diacetone alcohol

TSCA 12b list section

Section 4, 1 % de minimus concentration
 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.
IATA - Non-bulk: NOT REGULATED
IMDG - Non-bulk: NOT REGULATED

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.