

# Material Safety Data Sheet

## Section 1 Product Identification

Product Name: **Wash & Shine**  
 Formula type: Oil/water emulsion

Manufacturer's Name:  
 Chem-Tech, Inc.  
 6551 Jansen Avenue NE – Suite 106  
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## Section 2 Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>	<u>Threshold Limit Value</u>	<u>Permissible Exposure Limit</u>
Water	7732-18-5			
Mineral seal oil	64741-44-2	1-5	400 ppm	400 ppm
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	68604-75-1	1-5	NE	NE
Nonylphenol ethoxylate	9016-45-9	5-10	NE	NE

Balance of ingredients are not hazardous as defined by OSHA

## Section 3 Physical Data

Form:	Liquid	pH as is:	6.0 - 7.5
Color:	Red	pH (1% vol):	6.5 - 7.5
Odor:	Cherry	Solubility in Water:	Complete
Specific Gravity (Water = 1):	0.98 - 1.02	Vapor Density (Air = 1):	>1
Boiling Point °F:	greater than 212	% VOC:	4-5
Evaporation Rate (Water = 1):	similar to water	Vapor pressure:	similar to water

## Section 4 Fire and Explosion Information

Flash Point (Method) F: > 260 Cleveland Open Cup

Autoignition temperature: 490° F

Unusual Fire and Explosion Hazards: May form combustible mixtures with air when heated.

Extinguishing Agents: Carbon dioxide, dry chemical, or foam. Water stream may spread fire, use water spray only to cool containers exposed to fire. If leak or spill has not ignited, use water spray to disperse the vapors.

Fire fighting methods: Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible. Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of storage tank due to fire. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus with full face mask and full protective equipment.

**Section 5 Health Hazard Data - Signs and Symptoms of Overexposure:**

Probable Routes of Entry: Inhalation, eyes, skin

Eyes: Severe irritation, tearing

Skin: Irritation, redness or dryness upon prolonged contact

Inhalation: Not a problem under normal use conditions. If vapors exceed TLV, headache, nasal and respiratory irritation, nausea, drowsiness, fatigue, and central nervous system depression.

Ingestion: Headache, nausea, drowsiness, fatigue, pneumonitis, pulmonary edema, central nervous system depression.

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders or abrasions.

**Section 6 Emergency First Aid Procedures**

Eyes: Immediately flush eyes with cool running water for at least 15 minutes. Remove contact lenses. If irritation develops, obtain medical aid.

Skin: Wash skin with cool water and soap. Obtain medical aid if irritation develops. Remove contaminated clothing and launder.

Inhalation: Remove to fresh air. Monitor breathing. Obtain immediate medical aid. Administer CPR if needed.

Ingestion: Drink 1-2 large glasses of milk or water. Obtain immediate medical aid or call poison control. Do not induce vomiting unless directed by a physician. During vomiting there is a danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek immediate medical attention or call 911.

**Section 7 Reactivity Data**

Stability: Stable under normal ambient storage conditions

Incompatibility: Strong oxidizing agents, alkalis, and acids

Hazardous Decomposition Products: Incomplete combustion can yield carbon monoxide and various hydrocarbons.

Hazardous Polymerization: Will not occur

**Section 8 Spill & Leak Procedures**

Procedures for Cleanup: Wear safety equipment. For small spills, mop up and rinse with water.

Large Spills: For large spills, area will be slippery. Eliminate flames and ignition sources. Dike product with sand or dirt. Keep out of surface waters. Salvage for reuse if possible. Otherwise place into suitable container for disposal. Inform local pollution officials of spill. Spill may be considered RCRA hazardous if contaminated. Call local regulatory agency.

Waste Disposal: Dispose in accordance with federal, state and local regulations. Waste may be subject to RCRA regulation if contaminated.

**Section 9 Special Protection Information**

Ventilation Type Required: General

Protective Gloves: Rubber, neoprene, and nitrile

Respiratory Protection: Not necessary under normal use conditions and ventilation. If mists are generated, wear NIOSH respirator for organic vapors.

Eye Protection: Goggles or splash-proof glasses

Other Equipment: Eye wash station. Rubber boots for spill cleanup.

**Section 10 Special Precautions**

Store between 30° F and 110° F. Store away from heat or ignition sources. Store out of direct sunlight. Keep out of reach of children. Keep container closed when not in use. For industrial and institutional use only. Mix only with water. Thoroughly rinse empty containers before disposal.

**Section 11 Toxicity Data****Toxicity:**

<b><u>Ingredient</u></b>	<b><u>LD50 – Oral Rat</u></b>	<b><u>LD50 – skin absorption Rabbit</u></b>	<b><u>LC50 – Inhalation Rat</u></b>	<b><u>Effects</u></b>
Mineral seal oil	> 5000 mg/kg	> 2000 mg/kg	>5200 mg/L, 4 hr	Eye and skin irritant
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	1 - 2 gm/kg	ND	ND	Primary irritation index skin = 5.5
Nonylphenol ethoxylate	ND	ND	ND	ND

**Carcinogenicity:**

<b><u>Ingredient</u></b>	<b><u>NTP</u></b>	<b><u>IARC</u></b>	<b><u>OSHA</u></b>
Mineral seal oil	No	No	No
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	No	No	No
Nonylphenol ethoxylate	No	No	No

**Other effects:**

<b><u>Ingredient</u></b>	<b><u>Reproductive Toxicity</u></b>	<b><u>Teratogenicity</u></b>	<b><u>Mutagenicity</u></b>
Mineral seal oil	ND	ND	ND
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	ND	ND	ND
Nonylphenol ethoxylate	ND	ND	ND

**Section 12 Ecological Information**

Mineral seal oil	Biodegradation is possible within 90 to 120 days in aerobic environments above 70°F. Can kill grasses and small plants. Not toxic to fish but may coat gill structures resulting in suffocation. Moderately toxic to amphibians. May cause gastrointestinal distress to birds and mammals through ingestion.
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	The components of this product are ultimately biodegradable. 52% DOC removal, 28 days, Zahn Wellens (OECD 302B).
Nonylphenol ethoxylate	Biodegradable

**Section 13 Hazard Rating - HMIS**

0 = minimal    1 = slight    2 = moderate    3 = serious    4 = severe

Health: 1    Reactivity: 0    Fire: 0    Personal protection equipment: B (gloves and glasses)

**Section 14 Regulatory Information****• Chemical Inventory Status - part 1 •**

<b>Ingredient</b>	<b>TSCA</b>	<b>EC</b>	<b>Japan</b>	<b>Australia</b>
Mineral seal oil	Yes	ND	ND	ND
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	Yes	ND	ND	ND
Nonylphenol ethoxylate	Yes	Yes	Yes	Yes

**• Chemical Inventory Status – part 2 •**

<b>Ingredient</b>	<b>Korea</b>	<b>-----Canada-----</b>		<b>Philippines</b>
		<b>DSL</b>	<b>NDSL</b>	
Mineral seal oil	ND	Yes	No	ND
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	ND	Yes	No	ND
Nonylphenol ethoxylate	Yes	Yes	No	Yes

**• Federal, State & International Regulations – part 1 •**

<b>Ingredient</b>	<b>---- SARA 302 ----</b>		<b>----- SARA 313 -----</b>	
	<b>RQ</b>	<b>TPQ</b>	<b>List</b>	<b>Chemical Catg.</b>
Mineral seal oil	No	No	No	No
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	No	No	No	No
Nonylphenol ethoxylate	No	No	No	No

**• Federal, State & International Regulations – part 2 •**

<b>Ingredient</b>	<b>CERCLA</b>	<b>RCRA 261.33</b>	<b>TSCA 8(d)</b>
Mineral seal oil	No	No	ND
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane quaternized	No	ND	ND
Nonylphenol ethoxylate	No	No	No

**Chemical Weapons Convention:** No **TSCA 12(b):** No **CDTA:** No

**SARA 311/312:** **Acute:** Yes **Chronic:** No **Fire:** No **Pressure:** No

**Reactivity:** No

**Section 15 Shipping Name:**

Not regulated. Cleaning Compound

**Section 16 WHMIS**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Class** **Description**  
D2B Toxic Material

**Symbol**



**Section 17 Documentary Information**

Date issued: 11-21-06 Supercedes: 1-17-06 Reason for update: Total update  
Prepared by: S. VanGrasstek Title: Chem-Tech Lab Manager Phone: 763-417-1380

**ABBREVIATIONS:**

NE = NOT ESTABLISHED

NDA = NO DATA AVAILABLE

> = GREATER THAN

<= LESS THAN

BCF = BIOCONCENTRATION FACTOR

ND = NO DATA

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