

# Material Safety Data Sheet

## Section 1 Product Identification

Product Name: **Asphalt Release**

Formula type: mild detergent

### Manufacturer's Name:

Chem-Tech, Inc.

6551 Jansen Avenue NE – Suite 106

Albertville, MN 55301

Emergency Telephone: 1-800-535-5053

Information: 1-763-417-1380

Fax: 763-417-1389

## 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		NE	NE
Sodium dodecylbenzenesulfonate	25155-30-0	< 20	NE	NE
Vegetable oil, sodium salt	61790-45-2	< 20	NE	NE
Methyl ester, vegetable oil	67784-80-9	< 10	NE	NE
Propylene Glycol	57-55-6	< 10	NE	50 PPM

Balance of ingredients are not hazardous as defined by OSHA

## Section 3 Physical Data

Form:	Liquid	pH as is:	8.5 - 9.0
Color:	Clear yellow	pH (1% vol):	7.5 - 8.5
Odor:	Mild	Solubility in Water:	Complete
Specific Gravity (Water = 1):	1.03 - 1.04	Vapor Density (Air = 1):	<1
Boiling Point °F:	approx. 212	% VOC:	<1
Evaporation Rate (Water = 1):	<1	Vapor pressure:	similar to water

## Section 4 Fire and Explosion Information

Flash Point (Method) F: not flammable

Unusual Fire and Explosion Hazards: None known. Containers may melt or rupture from the heat of a fire.

Extinguishing Agents: Foam, carbon dioxide, dry chemical, water fog, water

Fire fighting methods: Evacuate area and fight fire from a safe distance. 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: Eyes or skin

Eyes: Redness, transient irritation, tearing

Skin: Redness or dryness upon prolonged contact

Inhalation: Not expected under normal use conditions

Ingestion: Nausea, vomiting, diarrhea

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. Obtain medical aid if irritation develops.

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

Inhalation: Remove to fresh air. Monitor breathing. Obtain immediate medical aid.

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 at room temperature (68F) when stored and used under proper conditions.

Incompatibility: Avoid contact with acids and oxidizing materials.

Hazardous Decomposition Products: Smoke, carbon dioxide, carbon monoxide

Hazardous Polymerization: Will not occur.

#### Section 8 Spill & Leak Procedures

Procedures for Cleanup: Wear protective gear. Small spills: Area will be slippery. Mop thoroughly and rinse with water.

Large Spills: Area will be very slippery. 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: Contact the proper county, state or federal authorities. May be RCRA regulated if contaminated.

#### Section 9 Special Protection Information

Ventilation Type Required: General or local

Protective Gloves: If there is prolonged contact, wear rubber, neoprene, or nitrile gloves

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

Eye Protection: If there is splashing, wear safety glasses

Other Equipment: Suggested: water source for eye and skin wash

#### 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:**

<u>Ingredient</u>	<u>LD50 – Oral Rat</u>	<u>LD50 – skin absorption Rabbit</u>	<u>LC50 - Inhalation</u>	<u>Effects</u>
Sodium dodecylbenzenesulfonate	1260 mg/kg (rat)	500 mg/24 hr (MOD)	ND	ND
Vegetable oil, sodium salt	> 5000 mg/kg	> 5000 mg/kg	> 2 mg/l	Eye irritant
Methyl ester, vegetable oil	5000-15000 mg/kg	2000-20000 mg/kg	ND	Irritant
Propylene Glycol	20g/kg	20.8 g/kg	ND	Mild eye irritant

**Carcinogenicity:**

<u>Ingredient</u>	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
Sodium dodecylbenzenesulfonate	No	No	No
Vegetable oil, sodium salt	No	No	No
Methyl ester, vegetable oil	No	No	No
Propylene Glycol	No	No	No

**Other effects:**

<u>Ingredient</u>	<u>Reproductive Toxicity</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>
Sodium dodecylbenzenesulfonate	ND	ND	Ames test: non-mutagenic
Vegetable oil, sodium salt	No	No	No
Methyl ester, vegetable oil	No	No	No
Propylene Glycol	No	No	No

**Section 12 Ecological Information****Ingredient**

Sodium dodecylbenzenesulfonate	Readily biodegradable
Vegetable oil, sodium salt	Readily biodegradable
Methyl ester, vegetable oil	Readily biodegradable
Propylene Glycol	Readily 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 & glasses)

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

<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
Sodium dodecylbenzenesulfonate	Yes	Yes	Yes	Yes
Vegetable oil, sodium salt	Yes	ND	ND	ND
Methyl ester, vegetable oil	Yes	Yes	ND	Yes
Propylene Glycol	Yes	Yes	Yes	yes

