

MATERIAL SAFETY DATA SHEET

A. IDENTIFICATION AND EMERGENCY INFORMATION

Product Name:

ram ColdTar

Chemical Name: N/A

CAS Number: N/A, a complex mixture.

Product Appearance: a black paste

Emergency Telephone Number: CHEMTREC 1-800-424-9300 (24 Hrs.) **MSDS Code No.:** 7130.SR

B. COMPONENTS AND HAZARD INFORMATION

<u>COMPONENTS</u>	<u>CAS NO.</u>	<u>ACGIH TLV</u>	<u>APPROXIMATE WT% CONCENTRATION</u>
SC 100	64742-95-6	125mg/m ³	25-35
Asphalt	8052-4	5mg/M3 (fume)	20-30
Styrene-Butadiene-Stryene	9003-55-8	STEL	10-20
Heavy Napthonic Distillate	64742-88-7	5mg/M3 STEL 10mg/M39mist	1- 10
Coal Tar	8007-45-2	.20mg/M3 STEL(volatiles)	1- 10

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with large amounts of water until irritation subsides. **GET MEDICAL ATTENTION IMMEDIATELY.**

Skin: Clean exposed skin with waterless hand cleaners. Flush with large amounts of water. Remove contaminated clothing, wipe excess material from skin, and thoroughly wash exposed area with soap and water. If irritation or redness develops and persists, seek medical attention.

Inhalation: Using proper respiratory protection, remove individual to fresh air. If irritation persists, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. **GET MEDICAL ATTENTION.**

Ingestion: DO NOT INDUCE VOMITING - transport to hospital immediately. **GET MEDICAL ATTENTION IMMEDIATELY.**
Note to Physician - perform gastric lavage in accordance with procedures for ingestion of petroleum products.

D. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: (Minimum) 100° F TCC (SC 100)

Auto ignition Temperature: 880 F. Approx.

Handling Precautions: Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use this product with adequate ventilation. Material is COMBUSTIBLE. Material requires electrical grounding during material transfer process. All electrical equipment in storage or handling areas should be installed per NFPA requirements.

Flammable or Explosive Limits: Lower (LEL) 1.9% Upper (UEL) 12.6% @ 77 F

Extinguishing Media and Fire Fighting Procedures: Foam, carbon dioxide, dry chemical, or water fog. Do not direct water on substance. Water and foam may cause frothing. Note: water directed into heavy oil may cause severe foaming and splatter as it vaporizes. Treat as a fuel oil fire. Water may be used to cool closed containers. In sustained fires, use self-contained breathing apparatus.

Decomposition Products Under Fire Conditions: Carbon monoxide and dioxide, oxides of nitrogen and sulphur, and hydrocarbons from combustion. Hydrogen sulfide gas (H₂S) may be generated (see Section E of this MSDS for more H₂S information) when and if the product is heated above 450° F or if the product incurs fire conditions.

"Empty" Container Warning: Dispose of in an environmentally safe manner and in accordance with governmental regulations. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. For work on tanks, refer to OSHA regulation ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

This is "RCRA" regulated hazardous waste and must be disposed in a permitted facility. Containers are hazardous waste if not emptied completely (less than 1 inch of residue).

E.**HEALTH AND HAZARD INFORMATION**

Variability Among Individuals: Health studies have shown that individual sensitivities vary from person to person. As a precaution, exposure to vapors, liquids, mists, or fumes should be minimized.

Effects of Overexposure: (Signs and symptoms of exposure) **Primary Routes of Exposure:** Inhalation, skin, and eye contact.
Health Hazards (including acute and chronic effects and symptoms of overexposure):

ACUTE: **Inhalation:** Upper respiratory tract (nose and throat) irritation. Possible central nervous system effects including headaches, dizziness, nausea and vomiting.

Skin Contact: Prolonged or repeated contact with the cold product may result in defatting and drying of the skin, which may lead to irritation and dermatitis.

Ingestion: May cause mouth, throat, and gastrointestinal tract irritation, nausea, vomiting and diarrhea. Aspiration of the mineral spirits portion of this product into the lungs can cause severe chemical pneumonitis, which may be fatal.

Pre-existing Medical Conditions Which May be Aggravated by Exposure:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with a history of chronic skin or respiratory disorders may be at increased risk for worsening their conditions from exposure to this product.

F.**PHYSICAL DATA**

The following are approximate or typical values and should not be used for precise design purposes.

Boiling Range: 318° F SC 100

Vapor Pressure: Approximately 1 mm Hg @100for Mineral Spirits

Specific Gravity: N/A, complex mixture

Vapor Density: (air = 1) Approximately 4.2 for SC 100

Molecular Weight: N/A, complex mixture

Percent Volatile by Weight: Less than 60

pH: Not determined

Solubility in Water @ 1 ATM and 77° F: Negligible

Evaporation Rate: (n-Bu Acetate = 1)
0.3 Approximately SC 100

Viscosity: A medium consistency coating 10,000 -20,000 cps
@ 77° F, brushable consistency

G.**REACTIVITY**

Stability: ___ unstable **X** stable

Hazardous Polymerization: ___ may occur **X** will not occur

Hazardous Decomposition Products: None

Incompatibility (Material to Avoid): Nitric acid, sulfuric acid, strong oxidizing agents.

Conditions to Avoid: Avoid all sources of ignition, including conditions that may generate static electricity. Avoid extreme temperatures. Avoid contact with strong oxidizers.

H.**ENVIRONMENTAL INFORMATION**

Steps to be taken if spilled or released:

- Shut off and eliminate all ignition sources.
- Keep people away.
- Recover free product; add sand, earth, or other suitable absorbents.
- Minimize skin contact and breathing vapors.
- Ventilate confined spaces; open all windows and doors.
- Keep product out of sewers and water courses by diking or impounding.
- Advise authorities if product has entered or may enter sewers, water courses or extensive land areas.
- ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.
- Recovered material may be incinerated in approved facility.

Clean Water Act/Oil Pollution Act: Section 311(40 CFR 110)

CERCLA Section 101(14F): Not established.

SARA Title III Section 311-312): Delayed Health. Fire.

Hazard Classification Code:	NPCA-HMIS	NFPA 704	KEY
Health	1	1	0=minimal
Flammability	2	2	1=slight
Reactivity	0	0	2=moderate
			3=serious
			4=severe

I. PROTECTION AND PRECAUTIONS

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment. No smoking or open lights.

Respiratory Protection: If under normal conditions of use, irritation occurs, or if the TLV is exceeded, use a NIOSH/MSHA approved air purifying respirator with organic vapor cartridges or canisters and a dust/mist prefilter. Always use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 CFR 1910.1200.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection: Use safety glasses, splash goggles or face shield when eye contact may occur.

Other Protective Equipment: Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

Work Practices/Engineering Controls: Keep containers closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with NFPA standard for petroleum products.

Personal Hygiene: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

J. TRANSPORTATION AND OSHA LABEL INFORMATION

Transportation Incident Information: For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Guidebook for Hazardous Materials Incidents.

DOT Identification Number: Non bulk packages are exempt from DOT HM-181 regulation. In containers of 119 gallons capacity or less this product is not regulated by the DOT. N.O.S. Combustible Liquid, UN 1268. III.

OSHA REQUIRED LABEL INFORMATION: In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label, bill of lading or invoice accompanying this product. CAUTION! COMBUSTIBLE!

K. OTHER

The information and recommendations contained herein are to the best of Barrett Company's knowledge and belief, accurate and reliable as of the date issued. Barrett Company does not warrant or guarantee their accuracy or reliability, and Barrett Company shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from Barrett Company.

The Environmental Information included under Section H hereof as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by Barrett Company in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with Barrett Company's interpretation of the available data.

For Other Product Information Contact:

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