



SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Ram Cold Tar Plus

MANUFACTURER:

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2:

HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Flam. Liq.3 H226

Muta. 1B H340

Carc. 1A H350

Repr. 1B H360

Full text of H-phrases: see section 16

LABELLING ELEMENTS

GHS-US labelling

Hazard Pictograms (GHS-US)



Signal word (GHS-US)

Hazard statements (GHS-US)

Danger

H226 - Flammable liquid and vapor

H340 - May cause genetic defects

H350 - May cause cancer

H360 - May damage fertility or the unborn child

Precautionary statements (GHS-US)

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from open flames, sparks. - No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P280 - Wear protective gloves, protective clothing, eye protection

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P308+P313 - If exposed or concerned: Get medical advice/attention

P370+P378 - In case of fire: Use carbon dioxide (CO₂), foam, dry extinguishing powder, Do not use water to extinguish

P403+P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container to in accordance with local, regional, and national regulations.

OTHER HAZARDS

Other hazards not contributing to the classificatic Skin irritation may be aggravated by exposure to sunlight/UV rays.

UNKNOWN ACUTE TOXICITY (GHS-US)

Not Applicable

3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE

Not applicable

MIXTURE

Name	Product Identifier	%	GHS-US classification
asphaltic bitumen, not cut back	(CAS No) 8052-42-4	54.4 - 57.6	Carc. 2, H351
Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]	(CAS No) 64742-95-6	25.9 - 31.9	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
1,2,4-trimethylbenzene	(CAS No) 95-63-6	<= 10.208	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Chronic 2, H411
pitch, coal tar, high-temp	(CAS No) 65996-93-2	1.444745 - 7.223725	Muta. 1B, H340 Carc. 1B, H350 Repr. 1B, H360
thickening clay	(CAS No) 12174-11-7	2.115 - 3.29	Carc. 2, H351
cumene	(CAS No) 98-82-8	<= 0.3509	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
silica	(CAS No) 14808-60-7	0.135 - 0.21	Carc. 1A, H350 STOT RE 1, H372
Styrene butadiene co-polymer	(CAS No) 9003-55-8	< 4.0	Not classified

Full text of H-phrases: see section 16

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

First-aid measures general	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/injuries	Not expected to present a significant hazard under anticipated conditions of normal use.
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INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

No additional information available

5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Sand. Dry Chemical.
Unsuitable extinguishing media	Do not use a heavy water stream. Solid water jet ineffective as extinguishing medium.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazard	Flammable.
Explosion hazard	May form flammable/explosive vapor-air mixture.
Reactivity	Product is stable.

ADVICE FOR FIREFIGHTERS

Firefighting instructions	Exercise caution when fighting any chemical fire. Treat as a fuel fire. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Water and foam may cause frothing.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General measures	No open flames. No smoking.
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For non-emergency personnel

Emergency procedures	Evacuate unnecessary personnel.
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For emergency responders

Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.

ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment	Dam up the liquid spill.
Methods for cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

REFERENCE TO OTHER SECTIONS

See Heading 8. Exposure controls and personal protection.

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures	Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures	Ground/bond container and receiving equipment.
Storage conditions	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from : Heat sources.
Incompatible materials	Avoid contact with strong oxidizers. Strong bases. Strong acids.

SPECIFIC END USE(S)

No additional information available

8: EXPOSURE CONTROLS / PERSONAL PROTECTION**CONTROL PARAMETERS**

TSC Thermoplastic Surfacing Compound		
ACGIH	Not applicable	
OSHA	Not applicable	

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).] (64742-95-6)		
ACGIH	Not applicable	
OSHA	Not applicable	

cumene (98-82-8)		
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	ACGIH STEL (ppm)	50 ppm
ACGIH	Remark (ACGIH)	Eye, skin, & URT irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	245 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	

1,2,4-trimethylbenzene (95-63-6)		
ACGIH	ACGIH TWA (ppm)	25 ppm
ACGIH	ACGIH STEL (ppm)	25 ppm
OSHA	Not applicable	

asphaltic bitumen, not cut back (8052-42-4)		
ACGIH	Not applicable	
OSHA	Not applicable	

silica (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
OSHA	Remark (OSHA)	(3) See Table Z-3.

thickening clay (12174-11-7)		
ACGIH	Not applicable	
OSHA	Not applicable	

pitch, coal tar, high-temp (65996-93-2)		
ACGIH	ACGIH TWA (mg/m ³)	0.2 mg/m ³
ACGIH	Remark (ACGIH)	Cancer
OSHA	Not applicable	

Styrene butadiene co-polymer (9003-55-8)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA	Not established	

EXPOSURE CONTROLS

Personal protective equipment

Avoid all unnecessary exposure. Gloves. Protective clothing. Safety glasses.



Hand protection

Wear protective gloves.

Eye protection

Chemical goggles or safety glasses. Do not wear contact lenses without the use of splash goggles.

Skin and body protection

Wear suitable protective clothing. Use of protective creams and sunscreen agents are recommended. Protective creams or "barrier creams" form a film that acts as both a chemical and physical "barrier" between skin and the contaminant and tends to penetration of the contaminant into the pores of the skin. In applying "barrier" creams, be sure the skin is clean and dry. Sunscreen agents filter out most of the rays from the sun.

Respiratory protection

Wear appropriate mask.

Other information

Do not eat, drink or smoke during use.

9:

PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance	A black, thick consistency liquid.
Color	Black
Odor	Aromatic Solvent Odor
Odor Threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 105 °F
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Relative vapor density at 20°C	No data available
Relative density	No data available
Density	≈ 0.96 g/cm ³
Solubility	Water: Solubility in water of component(s) of the mixture : • cumene: 0.005 g/100ml • 1,2,4-trimethylbenzene: 0.0060 g/100ml • 1,3-butadiene/styrene,polymer: insoluble • silica: insoluble • thickening clay: insoluble • benzo[a]pyrene: < 0.00001 g/100ml • benzo[e]acephenanthrylene: < 0.00001 g/100ml • naphthalene: 0.0030 g/100ml • phenanthrene: insoluble • pyrene: 0.000012 g/100ml • dibenz(a,h)anthracene: 0.00000025 g/100ml • benzo[a]anthracene: 0.00001 g/100ml • fluoranthene: 0.000026 g/100ml • dibenzo(a,i)pyrene: insoluble • chrysene: 0.00000020 g/100ml • indeno(1,2,3-cd)pyrene: < 0.00001 g/100ml • acenaphthene: insoluble
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer.

cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans

asphaltic bitumen, not cut back (8052-42-4)	
IARC group	2A - Probably carcinogenic to humans, 2B - Possibly carcinogenic to humans

silica (14808-60-7)	
IARC group	1 - Carcinogenic to humans

thickening clay (12174-11-7)	
IARC group	2B - Possibly carcinogenic to humans, 3 - Not classifiable

pitch, coal tar, high-temp (65996-93-2)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

12: ECOLOGICAL INFORMATION

TOXICITY

Ecology - general This product may cause adverse environmental effects if used improperly or release to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.

PERSISTENCE AND DEGRADABILITY

TSC Thermoplastic Surfacing Compound

Persistence and degradability May cause long-term adverse effects in the environment.

BIOACCUMULATIVE POTENTIAL

TSC Thermoplastic Surfacing Compound

Persistence and degradability May cause long-term adverse effects in the environment.

MOBILITY IN SOIL

No additional information available

OTHER ADVERSE AFFECTS

Effect on ozone layer	
Effect on global warming	No known ecological damage caused by this product.
Other information	Avoid release to the environment.

13:**DISPOSAL CONSIDERATIONS****WASTE TREATMENT METHODS**

Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. This product, as supplied, is regulated as a hazardous waste by the U.S. Environmental Protection Agency(EPA) under Resource Conservation and Recovery Act(RCRA) regulations. If discarded in its purchased form, the product is a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified as a hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they are different from federal regulation. RCRA Hazard Class: D001, Ignitable Hazardous Waste. Dispose of contents/container to local/national/international regulations.

Ecology - waste materials

Avoid release to the environment.

14:**TRANSPORTATION INFORMATION**

In accordance with DOT
Not regulated for transport

Additional information

Other information

Not Regulated when shipped in containers <119 gallons [49 CFR 173.120(b)(2)].

ADR

No additional informational available

Transport by sea

No additional informational available

Air transport

No additional informational available

15:**REGULATORY INFORMATION****US FEDERAL REGULATIONS****TSC Thermoplastic Surfacing Compound**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

silica	CAS No 14808-60-7	0.153%
thickening clay	CAS No 12174-11-7	2.397%
benzo[e]acephenanthrylene	CAS No 205-99-2	0.0147%
dibenzo(a,i)pyrene	CAS No 189-55-9	0.0039%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

cumene (98-82-8)

Listed on United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists) 5000 lb

1,2,4-trimethylbenzene (95-63-6)

Listed on United States SARA Section 313

INTERNATIONAL REGULATIONS

CANADA

No additional information available

EU-REGULATIONS

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

NATIONAL REGULATIONS

cumene (98-82-8)
Listed on IARC (International Agency for Research on Cancer)

Pitch, coal tar, high temp. (65996-93-2)
Listed on IARC (International Agency for Research on Cancer)

US STATE REGULATIONS

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

cumene (98-82-8)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

thickening clay (12174-11-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

cumene (98-82-8)	
U.S. - New Jersey - Right to Know Hazardous Substance List	U.S. - Pennsylvania - RTK (Right to Know) List

1,2,4-trimethylbenzene (95-63-6)	
U.S. - New Jersey - Right to Know Hazardous Substance List	

asphaltic bitumen, not cut back (8052-42-4)	
U.S. - New Jersey - Right to Know Hazardous Substance List	

Pitch, coal tar, high temp. (65996-93-2)	
U.S. - New Jersey - Right to Know Hazardous Substance List	U.S. - Pennsylvania - RTK (Right to Know) List

Other Information None

Full text of H-phrases:

Acute Tox. 4 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 1B	Germ cell mutagenicity, Category 1B
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard

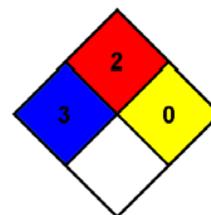
3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard

2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability

2 Moderate Hazard

Physical

0 Minimal Hazard

Personal Protection

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TBC SDS US (GHS Hazcom 2012)

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