



Between the World  
and The Weather  
Since 1928

## SAFETY DATA SHEET

### 1. IDENTIFICATION AND EMERGENCY INFORMATION

**PRODUCT NAME:** RAM COLD TAR PLUS

**MANUFACTURER'S NAME:** Barrett Company, Inc.  
33 Stone House Road  
P.O. Box 421  
Millington, NJ 07946-0421

**CHEMTREC EMERGENCY PHONE:** 800-424-9300  
**INFORMATION PHONE:** (908) 647-0100  
**DATE PREPARED:** April 14, 2015

**Recommended Use:** A component part of roof renovation and repair of low-slope commercial roofing

**Restrictions on Use:** Should only be used by a Barrett Approved Contractor

### 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)**

Danger

##### **Hazard statements (GHS-US)**

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 (CO<sub>2</sub>), 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

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## 3: COMPOSITION / INFORMATION ON INGREDIENTS

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### 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

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## 4: FIRST AID MEASURES

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### 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

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## **5: FIRE-FIGHTING MEASURES**

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### **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.

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## **6: ACCIDENTAL RELEASE MEASURES**

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### **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.

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## **7: HANDLING AND STORAGE**

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### **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

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**8: EXPOSURE CONTROLS / PERSONAL PROTECTION**


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**CONTROL PARAMETERS**

<b>TSC Thermoplastic Surfacing Compound</b>	
ACGIH	Not applicable
OSHA	Not applicable

<b>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)</b>	
ACGIH	Not applicable
OSHA	Not applicable

<b>cumene (98-82-8)</b>	
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 <sup>3</sup> ) 245 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)

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

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

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

<b>thickening clay (12174-11-7)</b>	
ACGIH	Not applicable
OSHA	Not applicable

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

<b>Styrene butadiene co-polymer (9003-55-8)</b>	
ACGIH	ACGIH TWA (mg/m <sup>3</sup> ) 10 mg/m <sup>3</sup>
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.

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## **9:**

## **PHYSICAL AND CHEMICAL PROPERTIES**

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### **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 <sup>3</sup>
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

Oxidizing properties No data available  
Explosive limits No data available

**OTHER INFORMATION**

No additional information available

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**10: STABILITY AND REACTIVITY**

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**REACTIVITY**

Product is stable.

**CHEMICAL STABILITY**

Not established.

**POSSIBILITY OF HAZARDOUS REACTIONS**

Not established.

**CONDITIONS TO AVOID**

Direct sunlight. Extremely high or low temperatures.

**INCOMPATIBLE MATERIALS**

Strong acids. Strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS**

fume. Carbon monoxide. Carbon dioxide.

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**11: TOXICOLOGICAL INFORMATION**

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**INFORMATION ON TOXICOLOGICAL**

**EFFECTS**

Acute toxicity Not classified

<b>cumene (98-82-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat; Other; Literature study; 4000 mg/kg bodyweight; Rat; Other; Inconclusive, insufficient data)
LD50 dermal rabbit	10578 mg/kg (Rabbit; Literature study; Other)
LC50 inhalation rat (mg/l)	40 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	8000 ppm/4h (Rat; Literature study)
ATE US (dermal)	10578.000 mg/kg bodyweight
ATE US (gases)	8000.000 ppmv/4h
ATE US (vapors)	40.000 mg/l/4h
ATE US (dust,mist)	40.000 mg/l/4h

<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	> 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature; 6000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 3440 mg/kg (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	18 mg/l/4h (Rat)
ATE US (vapors)	18.000 mg/l/4h
ATE US (dust,mist)	18.000 mg/l/4h

<b>pitch, coal tar, high-temp (65996-93-2)</b>	
LD50 oral rat	> 15000 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)

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.

<b>cumene (98-82-8)</b>	
IARC group	2B - Possibly carcinogenic to humans

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

<b>silica (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans

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

<b>pitch, coal tar, high-temp (65996-93-2)</b>	
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.

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## 12: ECOLOGICAL INFORMATION

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### 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

Other information

No known ecological damage caused by this product.

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 &lt;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

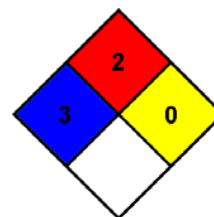
3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

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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