

Material Safety Data Sheet Cut Back Bitumen MSDS

Section 1: Chemical Product and Company Identification

Product Name: Cut Back Bitumen

CAS#: 8052-42-4

HS Code: 27150090

Details of the supplier of the safety data sheet:

Supplier: Infinity Galaxy

Address: Unit. 1623, Floor 16, ParkLane Tower, Business Bay, Dubai, UAE

Website: <https://infinitygalaxy.org/>

Email: info@infinitygalaxy.org

Office Number: +971 45582418

Mobile Number: +971 50 980 4849

Section 2: Composition and Information on Ingredients

Mixture

Kerosene (petroleum); Straight run kerosene

Contents: ≥ 50.00 - < 70.00 %W/W

CAS-No. 8008-20-6

Index-No. 649-404-00-4

EC-No. 232-366-4

Hazard statements H304 H226

asphalt

Contents: ≥ 50.00 - < 70.00 %W/W

CAS-No. 8052-42-4

Index-No.

EC-No. 232-490-9

Section 3: Hazards Identification

Classification of the substance or mixture:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification

Flammable liquids

Category 3

Label elements

Hazard pictograms



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P370+ P378 In case of fire: Use Dry chemical, CO2, Water spray or fire-fighting foam to extinguish

Storage

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

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 4: First Aid Measures

Description of necessary first-aid measures:

Eye contact: If hot product is splashed into eyes flush with water and get immediate attention.

Skin contact: Hot product can cause thermal burns. Take off contaminated clothing and shoes immediately. Wash off with soap and water. Cool melted product on skin with plenty of water. Do not remove solidified product. Burns must be treated by a physician.

Ingestion: Not a likely route of exposure. If swallowed, DO NOT induce vomiting. If accidentally swallowed obtain immediate medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Keep respiratory tract clear. Keep patient warm and at rest.

Most important symptoms/effects, acute and delayed:

Refer to SECTION 11

Section 5: Fire and Explosion Data

Suitable extinguishing media: Foam. Carbon dioxide (CO₂) Dry sodium carbonate

Special hazards arising from the substance or mixture: Burning produces irritant fumes. Flammable liquid

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Section 6: Accidental Release Measures

Environmental precautions: Prevent product from entering drains. Should not be released into the environment. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Neutralize with lime milk or soda and flush with plenty of water.

Section 7: Handling and Storage

Safe handling advice: Wear personal protective equipment. Avoid skin contact with heated and ambient emulsion Avoid breathing in fumes or vapors from emulsion. Handle with extreme care. Bitumen is commonly handled below 55°C

Advice on protection against fire and explosion: Keep away from incompatibles. Keep away from open flames, hot surfaces and sources of ignition.

Requirements for storage areas and containers: Avoid local overheating when raising to pumping temperature.

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Asphalt – petroleum fumes	TWA OEL-RL	5 mg/m ³	2010-02-05	South Africa. Hazardous Chemical Substances Regulations.
Asphalt – petroleum fumes	STEL OEL-RL	10 mg/m ³	2010-02-05	South Africa. Hazardous Chemical Substances Regulations.

Exposure controls

Engineering measures: Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Impervious gloves
Eye protection	Safety glasses
Hygiene measures	Wash hands before breaks and immediately after handling the product.

Section 9: Physical and Chemical Properties

Form	Viscous
State of matter	Liquid; at 20 °C; 1,013 kPa
Colour	Dark brown.
Odour	tar
Odour Threshold	No data available
pH	No data available
Flash point	49°C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Relative vapour density	No data available
Density	0.918 - 0.926 g/cm ³ ; 20°C
Water solubility	Immiscible., Insoluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	No data available

Section 10: Stability and Reactivity Data

Reactivity	Stable under recommended storage conditions.
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	Overheating may result in thermal cracking that produces toxic and flammable vapours.
Materials to avoid	Oxidizing agents. Strong acids Alkali metals Halogens.
Hazardous decomposition products	Smoke. Sulphur oxides. Carbon oxides.

Section 11: Toxicological Information

Acute oral toxicity	Kerosene (petroleum); Straight run kerosene: LD50 Rat: > 5,000 mg/kg; (literature value)
Acute inhalation toxicity	Kerosene (petroleum); Straight run kerosene: LC50 Rat: 4 h; > 5 mg/l; (literature value)
Acute dermal toxicity	Kerosene (petroleum); Straight run kerosene: LD50 Rabbit: > 2,000 mg/kg; (literature value)
Skin irritation	No data available
Eye irritation	No eye irritation
Sensitization	Did not cause sensitization on laboratory animals.
Repeated dose toxicity	No data available
Carcinogenicity	No data available

Section 12: Ecological Information

Biodegradability: Kerosene (petroleum); Straight run kerosene: Expected to be biodegradable

Section 13: Disposal Considerations

Product: Dispose of in accordance with local regulations. 200 liter emulsion drums should be drained, bunged prior to being returned to the supplier.

Section 14: Transport Information

IMDG

UN number: 3256
Class: 3
EmS: F-E, S-D
Packaging group: III
Proper shipping name: Elevated temperature liquid, flammable, n.o.s. (Bitumen)

ICAO/IATA

UN number : 3256
Class: 3
Proper shipping name: Elevated temperature liquid, flammable, n.o.s. (Bitumen)

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada. DSL - Domestic Substances List, part of CEPA

All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)

Australia. AICS - Australian Inventory of Chemical Substances

All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)

New Zealand Inventory of Chemical Substances: Components Not listed

Japan. ENCS - Existing and New Chemical Substances Inventory: kerosene (petroleum) asphalt

Japan. Industrial Safety and Health Law – Inventory: kerosene (petroleum) asphalt

Korea. KECI - Korean Existing Chemicals Inventory

All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)

Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances

All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)

China. IECSC - Inventory of Existing Chemical Substances in China

All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)

Taiwan. Chemical Substances Inventory (TCSI)

All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)

USA TSCA Inventory

All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

Section 16: Other Information

Full text of H-Statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

References: Not available.

Other Special Considerations: Not available.

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