

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLACK BITUMEN
PRODUCT TYPE: LIQUID
SUPPLIER: PROMINENT PAINTS
11 DAN JACOBS
ALRODE, ALBERTON

EMERGENCY TELEPHONE: +27 86 177 66 46
EMAIL ADDRESS: Customercare@prominentpaints.co.za
HEALTH EMERGENCY TELEPHONE: (021) 689 5227 (RED CROSS POISON SERVICE)
TRANSPORT EMERGENCY TELEPHONE: (011) 331 2947 (HAZCHEM)

2. COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS:

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

Substance Name	Wt %
PETROLEUM SOLVENT	20-40

See Section 15 for European Label Information.

See Section 8 for exposure limits (if applicable)

3. Hazard Identification

US Osha Hazard Communication Standard: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.

Effect of over exposure: Skin irritation can occur under conditions of poor personal hygiene. Respiratory irritation, dizziness, nausea and even loss of consciousness can occur after excessive inhalation of vapours.

Emergency response data: Black Semi- solid Liquid. Material is flammable
DOT ERG No. – 128

See Section 11 for additional Biological hazards (if applicable)

See Section 11 for additional Biological Hazards (if applicable)

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call Doctor
SKIN IRRITATION: Wash contact areas with suitable hand- cleaner. Remove contaminated clothing. Launder contaminated clothing before use.
INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a doctor. If breathing has stopped, use mouth-to-mouth resuscitation.
INGESTION: Not expected to occur in normal industrial use. However do not induce vomiting. Give 1 to 2 glasses of water. Get medical assistance.
NOTE TO DOCTORS: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEASURES: Carbon Dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapours to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent run off from fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is Flammable and if exposed to flames can generate toxic fumes.
Flash point C: <0 (ASTM D-93) **Flammable limits- LEL: NE UEL: NE**
NFPA HAZARD ID: Health: 0 Flammability: 2 Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb in fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact With soil

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin. Trace amounts of Hydrogen Sulphide may be present.
STORAGE: Keep face clear of drums, tank and / or tank car opening
Store in a cool place.

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use in well ventilated areas. Ventilation desirable and equipment should be explosion proof.

RESPIRATORY PROTECTION: Approved respiratory protective equipment must be used when vapour or mist concentration exceeds applicable standards.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: Impervious gloves should be worn.

OCCUPATIONAL EXPOSURE LIMITS

Substance Name (CAS – No.)	--LTEL---	--STEL---	NOTE
	Source ppm mg/ m ³	ppm mg / m ³	

OXIDISED PETROLEUM ASPHALT
(64742-93-4)

Fumes	ACGIH	5
ALIPHATIC PETROLEUM SOLVENT	ACHIH 100	525
AROMATIC PETROLEUM SOLVENT	ACGIH 100	525

(64742-94-5)

NOTE: Limits shown for guide only. Follow applicable regulations.

THRESHOLD LIMIT VALUE: 100.00 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE AND COLOUR:	Black liquid
ODOUR:	Asphaltic
ODOUR THRESHOLD-ppm	NA
Ph:	NA
BOILING POINT C:	150
MELTING POINT C:	NA
FLASH POINT C:	40
FLAMMABILITY:	YES
AUTO FLAMMABILITY:	NE
EXPLOSIVE PROPERTIES:	NA
OXIDISING PROPERTIES:	NA
VAPOUR PRESSURE –mmhg 20 C:	< 0.1
VAPOUR DENSITY:	NA
EVAPORATION RATE:	NA
RELATIVE DENSITY, 20 C kg/l:	0.95
SOLUBILITY IN WATER:	Negligible
PARTITION COEFFICIENT:	NE
VISCOSITY AT 60 C, CST	75- 140
POUR POINT C:	NA
FREEZING POINT C:	NE
VOLATILE ORGANIC COMPOUND:	>20 %

NA = NOT APPLICABLE NE = NOT ESTABLISHED

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



10. STABILITY AND REACTIVITY

STABILITY (Thermal, light, etc): Stable
CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity
INCOMPATIBILITY (materials to avoid): Strong oxidisers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICALLY DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS) Practically non-toxic (LD50: greater than 2000 mg/kg based on testing of similar products and/ or the components.
DERMAL TOXICITY (Rabbits): Practically non- toxic (LD50: greater than 2000 mg/ kg based on testing of similar products and/ or the components.
INHALATION TOXICITY (Rats): Practically non-toxic (LC50: greater than 5 mg/l) based on testing of similar products and/ or the components.
EYE IRRITATION (Rabbits): Practically non- irritating. (Draize score: greater than 6 but less than 15 or less). Based on testing of similar products and /or the components.
SKIN IRRITATION (Rabbits): Irritant. (Primary Irritation Index: 3 or greater but less than 5). Based on testing of similar products and/ or the components.
OTHER ACUTE TOXICITY DATA: Inhalation of vapours/ mist may cause respiratory system irritation.

GENETIC TOXICOLOGY (Summary)

Mutagenicity studies with similar materials in the ames, mouse lymphoma, rat bone marrow cytogenetics and a dominant lethal assays showed no adverse effects.

REPRODUCTIVE TOXICOLOGY (Summary)

Teratology studies with similar materials were negative.

NEUROTOXICOLOGY (Summary)

Animal studies with similar materials by inhalation for 12 month showed no significant neurotoxic, blood, kidney or other effects.

CHRONIC TOXICOLOGY (Summary)

This product contains solvents, prolonged repeated skin contact may defat the skin resulting in possible irritation and dermatitis. Long term skin application studies with similar materials have resulted in some systemic effects. Chronic application of similar materials to the skin of mice resulted in some skin tumours due to extreme irritation to the skin .

12. ECOLOGICAL INFORMATION

ENVIROMENTAL FATE AND EFFECTS.

Acute LC/EC50 fish: Juvenile Rainbow trout: Harmful ---Based on testing of similar products.

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel valve or disposal by supervised incineration.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed to be hazardous waste. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (LCLP).

Flash: < 0

14. TRANSPORT INFORMATION

USA DOT:

SHIPPING NAME: Flammable Liquid, n.o.s. (contains asphalt, AROMATIC and ALIPHATIC PETROLEUM SOLVENTS)

HAZARD CLASS AND DIV: Flammable Liquid

I D NUMBER: NA 1999

ERG NUMBER: 128

PACKAGING GROUP: PG III

STCC: NE

DANGEROUS WHEN WET: NO

POISON: NO

LABELS (s): NA

PLACARD(s): Flammable

PRODUCT RQ: NA

MARPOL III STATUS: NA

IMO

HAZARD CLASS AND DIV: 3

UN NUMBER: 1999.

PACKING GROUP: PG III

SHIPPING NAME: Flammable Liquid, n.o.s (contains ASPHALT, AROMATIC and ALIPHATIC PETROLEUM SOLVENTS)

LABEL (s): Flammable Liquid

MARPOL III STATUS: NA

ICAO / IATA:

HAZARD CLASS AND DIV: 3

ID / UN NUMBER: 1999

PACKAGING GROUP: PG III

SHIPPING NAME: Flammable Liquid n.o.s. (contains ALPHALT, AROMATIC AND ALIPHALT PETROLEUM SOLVENTS)

SUBSIDIARY RISK: NA

LABELS (s): Flammable Liquid

MARPOL III STATUS: NA

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



15. REGULATORY INFORMATION

Government Inventory Status: All component comply with TSCA, and EINECS/ ELINCS.

EU labeling:

Symbol : F- Flammable

Risk Phrase(s) :

R10-20-38-52/53 .

Flammable. Harmful by inhalation. Irritating to skin. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Safety Phrase(s):

S36/37-43-61-63.

Wear suitable protective clothing and gloves. In case of fire use foam/ drypowder/CO2/ Halon. Avoid release to the environment. Refer to special instruction/Safety data sheets. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains:

Petroleum distillate.

U.S. Superfund Amendments and Reauthorization Act (SARA) TITLE III:

This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES:

FIRE CHRONIC ACUTE

This product contains no chemicals reportable under SARA (313) Toxic release programme.

The following ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	WEIGHT ^%
Medium Aliphatic Petroleum Solvent	64742-88-7	28.00
Heavy Aromatic petroleum Solvents	64742-94-5	6.95
Benzene	71-43-2	0.05

--- REGULATORY LISTS SEARCHED---

1 = ACGIH ALL	6 = IARC 1	11 = TSCA 4	17 = CA P65	22 = MI	293
2 = ACGIH A1	7 = IARC 2A	12 = TSCA 5a2	18 = CA RTK	23 = MN	RTK
3 = ACGIH A2	8 = IARC 2B	13 = TSCA 5e	19 = FL RTK	24 = NJ	RTK
4 = NTP CARC	9 = OSHA CARC	14 = TSCA 6	20 = IL RTK	25 = PA	RTK
5 = NTP SUS	10 = OSHA Z	15 = TSCA 12b	21 = LA RTK	26 = RI	RTK

16. OTHER INFORMATION

USE:

ADHESIVE, SEALANT AND WATERPROOFING.

SAFETY DATA SHEET

Date of issue/Date of revision: 10 July 2023 Version: 2.0



INGREDIENTS DESCRIPTION	CAS NUMBER	WEIGHT %
Medium Aliphatic Petroleum Solvent	64742-88-7	28.00
Heavy Aromatic petroleum Solvents	64742-94-5	6.95
Benzene	71-43-2	0.05

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT
GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR
USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE
THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES
OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE
PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE
VALID PATENT OR AS EXTENDING LICENCE UNDER VALID PATENT. APPROPRIATE
WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO THE
HANDLERS AND USERS.
