



Safety Data Sheet

Bitumite

Hazardous Substance and Class 8 Dangerous Goods

1: IDENTIFICATION OF MATERIAL AND SUPPLY COMPANY

Supplier: Bituminous Products Pty Ltd
33 Violet Street
REVESBY NSW 2212

ABN No: 19 106 887 094
Business Phone: 02 9772 4433
Facsimile: 02 9792 1016

EMERGENCY CONTACT: John Arvanitidis (Phone) 02 9772 4433
(A/H) 0417 927 715

PRODUCT NAME: Bitumite
SYNONYMS: Adhesion Agent, Anti stripping agent
UN No.: 2735
DESCRIPTION: (Proper Shipping Name) Amines Corrosive NOS
DANGEROUS GOODS CLASS: Class 8 Corrosive Liquid
PACKAGING GROUP: II
HAZCHEM: 2X
POISONS SCHEDULE: S5
MANUFACTURER'S PRODUCT CODE: 220-2440
RECOMMENDED USE: Antistripping Agent Solution

2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: Classified as hazardous according to Safe Work Australia

Signal Word
DANGER



Physical Hazards

Flammable Liquids: Category 4

Health Hazards

Acute Toxicity Oral: Category 4
Aspiration Hazard: Category 1
Skin Corrosion/Irritation: Category 1B
Carcinogenicity: Category 2
Specific Target Organ Toxicity (Repeated Exposure): Category 1

Environmental Hazards

Product Name: BITUMITE



Aquatic Toxicity (Chronic): Category 1

Hazard Statements

- H227 Combustible Liquid
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled
- H351 Suspected of causing cancer
- H372 Causes damage to organs through prolonged or repeated exposure.
- H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P260 Do not breathe dust/fume/ gas/mist/vapours/spray
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective clothing, gloves, eye/face protection.

Response Statements

- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTRE or doctor/physician.
- P314 Get medical attention/advice if you feel unwell.
- P321 Specific treatment is advised – see first aid treatment.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire: Use appropriate media for extinction.
- P391 Collect spillage.

Storage Statements

- P403+P235 Store in a well ventilated place. Keep cool.
- P405 Store locked up.

Disposal Statements

- P501 Dispose of container in accordance with regional and national regulations.



3: COMPOSITION INFORMATION

Ingredient	CAS Number	EC Number	Content
FUELS DIESEL (GASOIL – UNSPECIFIED)	68334-30-5	269-822-7	55%
1,3 – PROPANEDIAMINE, N-9-OCTADECENYL	7173-62-8	230-528-9	40%
1,2 – PROPANEDIOL	57-55-6	200-338-0	5%

4: First Aid Measures

If poisoning occurs seek medical assistance or contact:

Poisons Information Centre on 131 126

EYE CONTACT: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by POISONS INFORMATION CENTRE or doctor or for at least 15 minutes.

INHALATION: If inhaled remove casualty to fresh air and keep at rest until recovered. If not breathing, apply artificial respiration. To protect rescuer use a Type A (Organic Vapour) respirator or an air-line respirator in poorly ventilated areas. SEEK MEDICAL ASSISTANCE.

SKIN CONTACT: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If blistering occurs, cover with a clean bandage and SEEK MEDICAL ASSISTANCE.

INGESTION/SWALLOWED: If swallowed call POISONS INFORMATION CENTRE. Do not induce vomiting. SEEK MEDICAL ASSISTANCE.

FIRST AID FACILITIES: Eye wash facilities and safety shower should be available.

PPE for FIRST AIDERS: Overalls, safety glasses, PVC or Nitrile gloves. If exposed to vapours, use respirator with organic vapour filter.

ADVICE TO DOCTOR: Treatment should be directed toward control of symptoms and conditions.

5: Fire Fighting Measures

HAZCHEM CODE: 2X

2 Fine water spray

X Wear liquid-tight chemical protective clothing and breathing apparatus.



Contain spills and firewater run-off.

FIRE EXTINGUISHING MEDIA: Water fog, dry chemical, foam and carbon dioxide.

SPECIFIC HAZARDS: Combustible Liquid. Can form flammable vapour mixtures at elevated temperatures with air. Avoid ignition sources. Flameproof/explosion proof equipment to be used where vapours are present. No smoking. May evolve toxic gases (carbon/nitrogen oxides and hydrocarbons) when heated to decomposition (Greater than 250°C).

FIRE AND EXPLOSION HAZARD: Closed containers may explode when exposed to heat (fire). Keep containers cool with water spray. Will produce toxic fumes when burning – wear breathing apparatus.

6: Accidental Release Measures

SMALL SPILLS: Wear safety glasses, impermeable gloves and organic vapour respirator if required. Clean up with rags or paper towels. Allow to dry in well ventilated area and dispose of with dry waste.

LARGE SPILLS: Stop source of leak/loss of containment if safe to do so. Isolate and eliminate ignition sources. Remove all non - essential personnel from area. Clean up personnel to wear boots overalls, solvent proof gloves, goggles or face visor and organic vapour respirator. Work upwind and/or provide intrinsically safe ventilation. Prevent contamination of drains and waterways. Use absorbent to clean up spilt material using non sparking tools. Collect spent absorbent material in sealed drums or containers and dispose of according to local environmental authority requirements. Seek assistance of EPA and emergency services if there is a chance of entering drains and water ways.

Refer section 8 and 13 for controls and disposal

7: Handling and Storage

DANGEROUS GOODS CLASS: 8 **SUB RISK:** None

Precautions for safe handling: Carefully read label before use. Avoid skin contact and inhalation of vapour and mist. Do not use pressure to empty drums. Observe good personal hygiene including washing hands before eating. Prohibit eating drinking and smoking in contaminated areas.

Conditions for safe storage: Store in a cool dry place away from incompatible substances. According to the requirements for a manufactured packaged product containing combustible liquid C1. Store in areas/building designed to comply



with the appropriate dangerous goods regulations. Protect from physical damage. Keep container closed when not in use.

Transport: should be in accordance with the Australian Dangerous Goods Code for the transport of dangerous goods by road and rail.

8: Exposure Controls, Personal Protection

National Exposure Standards: There is no Australian Workplace Standard for this product.

Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use.

Biological Limit Values: No Biological Limit Value allocated as per the National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia).

ENGINEERING CONTROLS: Avoid inhalation. Keep containers closed when not in use. Ensure ventilation is adequate to maintain air concentrations below exposure standards. Use only in well ventilated areas. If ventilation cannot be provided, wear organic vapour respirator. Do not enter confined spaces where vapours may have accumulated.

PERSONAL PROTECTION EQUIPMENT: OVERALLS, SAFETY SHOES OR BOOTS, SAFETY GOGGLES, BUTYL OR NITRILE GLOVES, ORGANIC VAPOUR RESPIRATOR.

A respirator suitable for organic vapours must be used in poorly ventilated areas. Air supplied respirators should be used in areas with inadequate oxygen and high vapour concentrations.

Glove type - PVC, butyl or nitrile gloves or other solvent proof gloves should be used when handling material.

Eye protection - Use close fitting chemical safety goggles, otherwise use safety glasses fitted with side shields. If splashing is possible use a face shield over safety glasses as added protection.

Clothing protection – Wear industrial-type work clothing or overalls and safety footwear.

Workplace- Ensure that eyewash and safety shower are available and in good working condition wherever this product is being used or manufactured.

9: Physical and Chemical Properties

FORM:	Liquid
APPEARANCE:	Clear Brown Liquid
ODOUR:	Ammonia / amine characteristic
FLAMMABILITY:	C1 Combustible liquid
PACK SIZE(S):	20 litre, 205 litre, bulk
BOILING POINT (°C):	> 300°C
MELTING POINT (°C):	<0 °C
EVAPORATION RATE:	Not Available
VAPOUR PRESSURE (KPa) :	Not Available
SPECIFIC GRAVITY @ 25 °C:	0.82
SOLUBILITY IN WATER (% BY WT.):	Not soluble
FLASH POINT (°C)-METHOD:	>65°C (closed cup)
FLAMMABILITY LIMITS IN AIR (% VOLUME):	Not available
AUTOIGNITION TEMPERATURE:	>300°C
DECOMPOSITION TEMPERATURE:	> 250 °C

10: Stability and Reactivity

Reactivity: Strong oxidising agents and strong acids may violently react with this product.

Chemical Stability: This product is thermally stable at temperatures <200°C.

Conditions to avoid: Overheating and ignition sources.

Incompatible materials: Oxidising Agents.

Hazardous Decomposition Products: Ammonia, Carbon monoxide and carbon dioxide.

11: Toxicological Information

ACUTE TOXICITY:

Harmful if swallowed. Ingestion of material may result in burns to the mouth and throat, as well as a danger of perforation of the oesophagus and stomach.

LD50 Oral rat > 7500mg/kg

EYES: Causes burns. Direct eye contact will result in irritation. Lacrimation, pain redness, corneal burns and possible permanent eye damage.

SKIN: Contact with skin may result in skin burns, pain, rash and dermatitis.

INHALATION: Inhalation of vapours may cause headaches and/or dizziness. Overexposure to vapour may result in respiratory tract irritation.

CHRONIC:

Mutagenicity: Not classified as a mutagen



Carcinogenicity: The amine active ingredient is not classified as a carcinogen, however the diluent diesel is classified as a suspected carcinogen.

Reproductive toxicity: Not classified.

Specific Target Organ Toxicity (repeat exposure): Over exposure may result in irritation of the nose and throat, coughing, nausea, dizziness, drowsiness and a delayed burning sensation. High level exposure may result in ulceration of the respiratory tract and breathing difficulties.

12: Ecological Information

Do not allow product to enter waste water, stormwater, rivers or creeks.

Toxicity: Very toxic to aquatic life

Persistence and degradability: No information is available.

Bioaccumulative potential: No information is available.

Mobility in soil: No information is available.

13: Disposal Considerations

Disposal Methods:

Wherever possible, re-use, reprocess or recycle any reclaimed material to reduce waste.

- Contained spills need to be soaked up and disposed into a metal container (avoid using plastic containers).

For small spills, once dry, the absorbed material may be disposed of as solid waste to an approved landfill site in conformity with the requirements of Regulatory Authorities.

PREVENT CONTAMINATION OF DRAINS AND WATERWAYS.

14: Transport Information

Road, Rail, Sea and Air Transport: Classified as Dangerous Goods by the Australian Dangerous Goods Code for Transport by Road and Rail

U.N. Number: 2735

Proper Shipping Name: AMINES, LIQUID, CORROSIVE N.O.S. or
POLYAMINES, LIQUID, CORROSIVE N.O.S.

DG Class: 8

Packing Group: II

Hazchem Code: 2X

GTEPG: 8A1

EMS: F-A,S-B

Emergency Response Guide No 36



Marine Transport: Marine Pollutant

15: Regulatory Information

POISONS SCHEDULE: S5

Classified as Schedule 5 according to Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classifications:

Safework Australia criteria is based on the Globally Harmonised System (GHS) of classification and labelling of chemicals.

Inventory Listings:

AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS.

16: Other Information

Additional information: AMINE: CAUTION: THIS PRODUCT CONTAINS AN AMINE> DO NOT ADD NITRITES or other NITROSATING AGENTS to this product due to the potential for NITROSAMINE formation. Nitrosamines are potent carcinogens and some have been shown to cause sever acute heart, brain, blood, liver, kidney damage as well as chronic effect (reproductive, liver - lung and kidney tumours)

Contact Person: **John Arvanitidis**, Bituminous Products Pty Ltd
02 9772 4433
After hours 0417 927 715

This Safety Data Sheet has been compiled in accordance with GHS Guidance for the preparation of Safety Data Sheets and COP Preparation of SDS for Hazardous Chemicals Safe Work Australia.

Where applicable, specific chemical composition details are provided to allow the product to be classified according to UN Number, HAZCHEM coding etc.

The information contained herein is based on the data available to BITUMINOUS PRODUCTS PTY LTD from both our suppliers and technical sources and from recognized published references and is believed to be both accurate and reliable. BITUMINOUS PRODUCTS PTY LTD has made no effort to censor or to conceal deleterious aspects of this product. Since we cannot anticipate or control the many different conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application and confirm whether they are appropriate.

Due care should be taken to make sure that the use or disposal of the product is in compliance with the appropriate Federal, State, and Local Government regulations.

END OF SDS

