



SAFETY DATA SHEET

BP Mining Solvent

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of substance/preparation

BP Mining Solvent

Application

Solvent

Company Identification

BP Southern Africa (Pty) Ltd

61 St. George's Mall

Cape Town 8001

Emergency Telephone Number

0860 222 166 (BP Southern Africa)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition

Distillates (petroleum), hydrodesulphurised middle. EINECS No: 265-183-3, CAS No: 64742-80-9

3. HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

Eyes

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

Skin

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

Ingestion

If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

Inhalation

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

Medical Advice

Product can be aspirated on swallowing or following regurgitation of stomach contents, and can cause severe and potentially fatal chemical pneumonitis, which will require urgent treatment. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided. Gastric lavage should be undertaken only after endotracheal intubation. Monitor for cardiac dysrhythmias.

5. FIRE-FIGHTING MEASURES

For major fires call the Fire Service. Ensure an escape path is always available from any fire.

Use foam, dry powder or water fog. DO NOT USE water jets.

FIRES IN CONFINED SPACES SHOULD BE DEALT WITH BY TRAINED PERSONNEL WEARING APPROVED BREATHING APPARATUS.

Combustion Products

Toxic fumes may be evolved on burning or exposure to heat.

6. ACCIDENTAL RELEASE MEASURES

Any spillage should be regarded as a potential fire risk.

In the event of spillage, remove all sources of ignition and ensure good ventilation.

Wear protective clothing. See Exposure Controls/Personal Protection, section 8, of this Safety Data Sheet.

Spilled material may make surfaces slippery.

Clean up spilled material immediately.

Contain and recover spilled material using sand or other suitable inert absorbent material.

Recovery of large spillages should be effected by specialist personnel.

It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.

Large and uncontained spillages should be smothered with foam to reduce the risk of ignition.

The foam blanket should be maintained until the area is declared safe.

Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.

Vapour is heavier than air and may travel to remote sources of ignition (eg. along drainage systems, in basements etc.).

If spillage has occurred in a confined space, ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry.

In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

In the case of spillage at sea approved dispersants may be used where authorised by the appropriate government/regulatory authorities.

In the event of spillages contact the appropriate authorities.

7. HANDLING AND STORAGE

Storage Conditions

Store and dispense only in well ventilated areas away from heat and sources of ignition.

Store and use only in equipment/containers designed for use with this product.

Containers must be properly labelled and kept closed when not in use.

Do not remove warning labels from containers.

Do not enter storage tanks without breathing apparatus unless the tank has been well ventilated and the tank atmosphere has been shown to contain hydrocarbon vapour concentrations of less than 1% of the lower flammability limit and an oxygen concentration of at least 20% volume.

Always have sufficient people standing by outside the tank with appropriate breathing apparatus and equipment to effect a quick rescue.

Handling Precautions

Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use.

Avoid contact with skin and observe good personal hygiene.

Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate.

Do not siphon product by mouth.

Whilst using do not eat, drink or smoke.

Wash hands thoroughly after contact.

Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

Take all necessary precautions against accidental spillage into soil or water.

Fire Prevention

Light hydrocarbon vapours can build up in the headspace of tanks. Tank headspaces should always be regarded as potentially flammable and care should be taken to avoid static electrical discharge and all ignition sources during filling, ullaging and sampling from storage tanks.

Will present a flammability hazard if heated above flash point but bulk liquids at normal storage temperatures will present virtually no fire hazard. If fuel contacts hot surfaces, or leaks from high pressure fuel pipes, the vapour and/or mists generated will create a flammability or explosion hazard.

When the product is pumped (e.g. during filling, discharge or ullaging) and when sampling, there is a risk of static discharge. Ensure equipment used is properly earthed or bonded to the tank structure.

Empty containers represent a fire hazard as they may contain some remaining flammable product and vapour. Never cut, weld, solder or braze empty containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

There is no appropriate occupational exposure limit for this material.

If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

Protective Clothing

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

If skin contact is likely, wear impervious protective clothing and/or gloves.

Protective clothing should be regularly inspected and maintained; overalls should be dry-cleaned, laundered and preferably starched after use.

Respiratory Protection

If operations are such that exposure to vapour, mist or fume may be anticipated, then suitable approved respiratory equipment should be worn.

The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical Values						
Grades: Mining Solvent						
	Test Method	Units				

Physical state

liquid

Colour

colourless

Odour

solvent

Density @ 15°C

ASTM D 1298

kg/m³

800

Boiling point/range

ASTM D 86

°C

214 to

234

Flash point (PMC)

ASTM D 93

°C

85

10. STABILITY AND REACTIVITY

Stable at ambient temperatures.

Hazardous polymerisation reactions will not occur.

Conditions to Avoid

Sources of ignition

Materials to Avoid

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition products will vary with conditions.

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Eyes

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Skin

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

Ingestion

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

Will injure the lungs if aspiration occurs, eg. during vomiting.

Inhalation

May cause irritation to eyes, nose and throat due to exposure to vapour, mists or fumes.

12. ECOLOGICAL INFORMATION

Mobility

Spillages may penetrate the soil causing ground water contamination.

Persistence and degradability

This product is inherently biodegradable.

Bioaccumulative potential

There is no evidence to suggest bioaccumulation will occur.

Aquatic toxicity

Harmful to aquatic organisms.

Spills may form a film on water surfaces causing physical damage to organisms.

Oxygen transfer could also be impaired.

13. DISPOSAL CONSIDERATIONS

Dispose of by incineration or other suitable means under conditions approved by the local authority or via a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

15. REGULATORY INFORMATION

EU Category of Danger

Dangerous for the environment

EU Labelling

Symbol: No symbol

Indication of danger: None

Risk (R) Phrases:

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety (S) Phrases:

S24 - Avoid contact with skin

S43 - In case of fire, use foam/dry powder/CO2/. Never use water.

S61- Avoid release into the environment. Refer to special instructions/Safety data sheets.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National legislation: Occupational Health and Safety Act (Act 85 of 1993)

16. OTHER INFORMATION

Product Stewardship Group
BP Oil Technology Centre
Chertsey Road
Sunbury-on-Thames
Middlesex, TW16 7LN

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