

SAFETY DATA SHEET

PREMIERSOL 2B

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Compilation date: 12/03/2015

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Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SOL 2B

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC24: Lubricants, greases, release products. PC25: Metal working fluids.

1.3. Details of the supplier of the safety data sheet

Company name: Premier Fuels & Lubricants Ltd
Dewsbury Road, Fenton Industrial
Estate Stoke-on-Trent
Staffordshire
ST4 2TE
United Kingdom

Tel: +44 1782 410381

Fax: +44 1782 410684

Email: sales@premierlubricants.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Sens. 1: H317

Most important adverse effects: May cause an allergic skin reaction.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SULFONIC ACIDS, PETROLEUM, SODIUM SALTS - REACH registered number(s): 01-2119527859-22-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
271-781-5	68608-26-4	-	Eye Irrit. 2: H319	3-7%

AMIDES, C18-UNSATD., N,N-BIS(HYDROXYETHYL) - REACH registered number(s): EXEMPT

700-972-2	93-83-4	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411	1-3%
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2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL - REACH registered number(s): 01-2119529226-41

225-208-0	4719-04-4	-	STOT RE 1: H372; Eye Irrit. 2: H319; Acute Tox. 2: H330; Acute Tox. 4: H302; Skin Sens. 1: H317	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. If irritation persists, obtain medical advice.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a Doctor if irritation persists.

Ingestion: Wash out mouth with water and obtain medical attention. Treat symptomatically. If aspiration is suspected, obtain immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: Occasional contact with undiluted product is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Eye contact: Eye contact with undiluted product may cause moderate irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute emulsions are expected to cause only slight transient irritation or redness.

Ingestion: The product has a low order of acute oral toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

Delayed / immediate effects: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

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4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: For pressure injection always obtain immediate medical attention.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. See section 10.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in dry conditions between 0 and 40°C.

7.3. Specific end use(s)

Specific end use(s): PC24: Lubricants, greases, release products. PC25: Metal working fluids.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

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DNEL/PNEC Values

Hazardous ingredients:

AMIDES, C18-UNSATD., N,N-BIS(HYDROXYETHYL)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	73.44 mg/m ³	Workers	Systemic
DNEL	Dermal	4.16mg/kg bw/day	Workers	Systemic
DNEL	Dermal	31.2 µg/cm ²	Workers	Local
DNEL	Inhalation	21.73 mg/m ³	General Population	Systemic
DNEL	Dermal	2.5 mg/kg bw/day	General Population	Systemic
DNEL	Dermal	18.73 µg/cm ²	General Population	Local
DNEL	Oral	6.25 mg/kg bw/day	General Population	Systemic

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation, long term exposure	0.2mg/m ³	Workers	Local

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection is not normally required if oil mist below 0.1mg/m³. For environments where oil mists exceed more than 0.1mg/m³ a oil resistant particulate respirator is recommended, filter class P2 (EN143) or above.

Hand protection: Avoid direct contact with the neat product where possible, in such circumstances where this is unavoidable the use of oil impervious gloves (nitrile type) is recommended. The typical permeation breakthrough time of a disposable nitrile glove should be greater than 1 hour, however this should be confirmed with the glove manufacturer. Prolonged or repeated contact with diluted metalworking fluid is often unavoidable, in such circumstances; the use of barrier and after work creams may be beneficial.

Eye protection: Wear goggles or face mask when handling undiluted product.

Skin protection: Oil-resistant protective clothing is recommended. Change heavily contaminated clothing as soon as possible.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Brown

Odour: Barely perceptible odour

Solubility in water: Miscible

Kinematic viscosity: 50-100

Viscosity test method: Kinematic viscosity in mm²/s @ 40°C IP71

Boiling point/range°C: >100

Melting point/range°C: <0

Flash point°C: >100

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Relative density: 0.918

pH: 8.9-9.2

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Extremes of temperature. Store between 0 and 40°C.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: Thermal decomposition can produce various compounds, depending on the conditions in which decomposition took place. Depending on the temperature and the level of oxygen available products of decomposition may be carbon, oxides of sulphur, carbon and nitrogen, partially oxidised organic compounds, water and other unidentifiable organic and inorganic compounds.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL

DERMAL	RAT	LD50	>4000	mg/kg
DUST/MIST	RAT	4H LC50	0.37	mg/l
ORAL	RAT	LD50	1000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
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Respiratory/skin sensitisation	DRM	Hazardous: calculated
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Symptoms / routes of exposure

Skin contact: Occasional contact with undiluted product is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Eye contact: Eye contact with undiluted product may cause moderate irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute emulsions are expected to cause only slight transient irritation or redness.

Ingestion: The product has a low order of acute oral toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

Delayed / immediate effects: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Other information: Aspiration into the lungs caused by vomiting following ingestion can be hazardous with possible resultant chemically induced pneumonia

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL

Activated sludge	0.5H EC20	170	mg/l
Brachydanio rerio	96H LC50	16.07	mg/l
Daphnia	48H EC50	11.9	mg/l
Desmodesmus subspicatus	72H EC50	6.66	mg/l

12.2. Persistence and degradability

Persistence and degradability: The individual components range from readily to poorly biodegradable. Mineral oil itself has limited biodegradability when tested by method CEC L-33-T-82.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility: Small quantities will be absorbed in the upper soil layers where biodegradation may take place.

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12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H372: Causes damage to organs ({{{0}}|message=<or state all organs affected, if known>||filter=(_)?ORGAN_+.+}}}) through prolonged or repeated exposure ({{{1}}|message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>||filter=(_)?EXP_ROUTE_+.+}}}).
H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive

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and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.