

**SAFETY DATA SHEET****Hydrachem Limited - Water Based Slate Oil 100ml****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** Hydrachem Limited - Water Based Slate Oil 100ml**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Protectant**1.3. Details of the supplier of the safety data sheet****Supplier** Hydrachem Limited
Gillmans Industrial Estate
Billingshurst
West Sussex
RH14 9EZ
01403 787700**1.4. Emergency telephone number****Emergency telephone** +44 (0) 1403 787700 (Hours 09:00 - 17:00 Mon to Fri)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

Health hazards

Not Classified

Environmental hazards

Not Classified

Human health

See Section 11 for additional information on health hazards.

Environmental

The product is not expected to be hazardous to the environment.

2.2. Label elements**Hazard statements**

NC Not Classified

Precautionary statementsP102 Keep out of reach of children.
P302 IF ON SKIN:
P352 Wash with plenty of water.**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Hydrachem Limited - Water Based Slate Oil 100ml

2-(2-BUTOXYETHOXY)ETHANOL		5-10%
CAS number: 112-34-5 EC number: 203-961-6		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319		
DIOCTYL SODIUM SULFOSUCCINATE		<1%
CAS number: 577-11-7 EC number: 209-406-4 REACH registration number: 01-2119491296-29-XXXX		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315 Eye Dam. 1 - H318		
2-BUTOXYETHANOL		<1%
CAS number: 111-76-2 EC number: 203-905-0		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319		
2-ETHYLHEXYL SODIUM SULFATE		<1%
CAS number: 126-92-1 EC number: 204-812-8 REACH registration number: 01-2119971586-23-XXXX		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315 Eye Dam. 1 - H318		
ETHANOL		<1%
CAS number: 64-17-5 EC number: 200-578-6 REACH registration number: 01-2119457610-43-XXXX		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319		
METHANOL		<1%
CAS number: 67-56-1 EC number: 200-659-6		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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No specific recommendations.

Inhalation

No specific recommendations.

Ingestion

Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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

General information

See Section 11 for additional information on health hazards.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Not applicable.

5.3. Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

No specific clean-up procedure recommended.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions

No specific recommendations.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Do not store near heat sources or expose to high temperatures.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2-BUTOXYETHANOL

Short-term exposure limit (15-minute): WEL 246 mg/m³ 50 ppm

Long-term exposure limit (8-hour TWA): WEL 123 mg/m³ 25 ppm

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

WEL = Workplace Exposure Limit

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

DNEL

Workers - Inhalation; Long term local effects: 7.5 mg/m³
 Workers - Dermal; Long term systemic effects: 10 mg/kg/day
 Workers - Inhalation; Long term systemic effects: 5 mg/m³
 Workers - Oral; Long term systemic effects: 1.3 mg/kg/day
 Workers - Inhalation; Short term systemic effects: 5 mg/m³
 Consumer - Inhalation; Short term local effects: 15 ppm
 Consumer - Dermal; Long term systemic effects: 20 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 10 ppm
 Consumer - Inhalation; Long term local effects: 5 ppm

PNEC

- Fresh water; 1 mg/l
 - Sediment (Freshwater); 4 mg/kg
 - Intermittent release; 3.9 mg/l
 - Sediment (Marinewater); 0.4 mg/kg
 - Marine water; 0.1 mg/l
 - STP; 200 mg/l

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2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL
Consumer - Oral; Long term systemic effects: 3.2 mg/kg/day
Consumer - Dermal; Short term systemic effects: 44.5 mg/kg/day
Workers - Dermal; Short term systemic effects: 89 mg/kg/day
Consumer - Dermal; Long term systemic effects: 38 mg/kg/day
Workers - Dermal; Long term systemic effects: 75 mg/kg/day
Consumer - Inhalation; Short term local effects: 123 mg/m³
Consumer - Inhalation; Short term systemic effects: 426 mg/m³
Workers - Inhalation; Short term systemic effects: 246 mg/m³
Consumer - Inhalation; Long term systemic effects: 49 mg/m³
Workers - Inhalation; Long term systemic effects: 98 mg/m³

PNEC
- Fresh water; 8.8 mg/l
- Sediment (Freshwater); 34.6 mg/kg
- Sediment (Marinewater); 3.46 mg/kg
- Marine water; 0.88 mg/l
- STP; 463 mg/l
- Soil; 2.8 mg/kg

ETHANOL (CAS: 64-17-5)

DNEL
Consumer - Oral; Long term systemic effects: 87 mg/kg/day
Consumer - Dermal; Long term systemic effects: 206 mg/kg/day
Workers - Dermal; Long term systemic effects: 343 mg/kg/day
Consumer - Inhalation; Short term local effects: 950 mg/m³
Workers - Inhalation; Short term local effects: 1900 mg/m³
Consumer - Inhalation; Long term systemic effects: 114 mg/m³
Workers - Inhalation; Long term systemic effects: 950 mg/m³

PNEC
- Fresh water; 0.96 mg/l
- Sediment (Freshwater); 3.6 mg/kg
- Marine water; 0.79 mg/l
- Soil; 0.63 mg/kg

METHANOL (CAS: 67-56-1)

DNEL
Consumer - Oral; Short term systemic effects: 8 mg/kg/day
Consumer - Oral; Long term systemic effects: 8 mg/kg/day
Consumer - Dermal; Short term systemic effects: 8 mg/kg/day
Workers - Dermal; Short term systemic effects: 40 mg/kg/day
Consumer - Dermal; Long term systemic effects: 8 mg/kg/day
Workers - Dermal; Long term systemic effects: 40 mg/kg/day
Consumer - Inhalation; Short term local effects: 50 mg/m³
Consumer - Inhalation; Short term systemic effects: 50 mg/m³
Workers - Inhalation; Short term systemic effects: 260 mg/m³
Workers - Inhalation; Short term local effects: 260 mg/m³
Consumer - Inhalation; Long term local effects: 50 mg/m³
Workers - Inhalation; Long term local effects: 260 mg/m³
Consumer - Inhalation; Long term systemic effects: 50 mg/m³
Workers - Inhalation; Long term systemic effects: 260 mg/m³

PNEC
- Fresh water; 154 mg/l
- Marine water; 15.4 mg/l
- STP; 100 mg/l
- Soil; 23.5 mg/kg

8.2. Exposure controls

Eye/face protection

No specific eye protection required during normal use.

Hand protection

No specific hand protection recommended.

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Respiratory protection

No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Milky.

Odour

No characteristic odour.

Odour threshold

No information available.

pH

No information available.

Melting point

No information available.

Initial boiling point and range

64.7 (64.7 TO 230)°C @

Flash point

9°C CC (Closed cup).

Evaporation rate

No information available.

Evaporation factor

No information available.

Flammability (solid, gas)

No information available.

Upper/lower flammability or explosive limits

Lower flammable/explosive limit: 0.9 % Upper flammable/explosive limit: 44.0 %

Vapour pressure

No information available.

Vapour density

No information available.

Relative density

1.02

Solubility(ies)

Soluble in water.

Partition coefficient

No information available.

Auto-ignition temperature

225°C

Decomposition Temperature

No information available.

Viscosity

No information available.

Oxidising properties

No information available.

9.2. Other information

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Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability

The product may not be stable under some conditions of storage or use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight. Avoid freezing.

10.5. Incompatible materials

Materials to avoid

None known.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation

No significant hazard at normal ambient temperatures.

Ingestion

No specific symptoms known.

Skin contact

No significant hazard at normal ambient temperatures.

Eye contact

No significant hazard at normal ambient temperatures.

Acute and chronic health hazards

No known chronic or acute health risks.

Route of entry

Inhalation Ingestion Skin and/or eye contact

Toxicological information on ingredients.

Hydrachem Limited - Water Based Slate Oil 100ml

2-(2-BUTOXYETHOXY)ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

2,410.0

Species

Mouse

ATE oral (mg/kg)

2,410.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2764.0

Species

Rabbit

ATE dermal (mg/kg)

2764.0

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

1,300.0

Species

Rat

ATE oral (mg/kg)

1,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2001.0

Species

Guinea pig

ATE dermal (mg/kg)

1100

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

11.0

Species

Rat

ATE inhalation (vapours mg/l)

11.0

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ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

7,060.0

Species

Rat

ATE oral (mg/kg)

7,060.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2001.0

Species

Rabbit

ATE dermal (mg/kg)

2001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

20000.0

Species

Rat

ATE inhalation (vapours mg/l)

20000.0

METHANOL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

2,001.0

Species

Rat

ATE oral (mg/kg)

100.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2001.0

Species

Rabbit

ATE dermal (mg/kg)

300.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

21.0

Species

Rat

ATE inhalation (vapours mg/l)

3.0

SECTION 12: Ecological Information

12.1. Toxicity

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Ecological information on ingredients.

2-(2-BUTOXYETHOXY)ETHANOL

Acute toxicity - fish

LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 101 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, 96 hours: 101 mg/l, Scenedesmus subspicatus

2-BUTOXYETHANOL

Acute toxicity - fish

LC₅₀, 96 hours: 1474 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 1550 mg/l, Daphnia magna

ETHANOL

Acute toxicity - fish

LC₅₀, 96 hours: 1030 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 24 hours: 101 mg/l, Daphnia magna

METHANOL

Acute toxicity - fish

LC₅₀, 96 hours: >7900 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 24 hours: 7600 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, : >500 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of waste product or used containers in accordance with local regulations

Disposal methods

No specific disposal method required.

Hydrachem Limited - Water Based Slate Oil 100ml**SECTION 14: Transport information**

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 28/01/2015

Revision 1

SDS number 5252

Hazard statements in full

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H370 Causes damage to organs .

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Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.