

SAFETY DATA SHEET

Hydrachem Limited - Hotspot Matt Black Stove Paint 250ml Aerosols

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

1.1. Product identifier

Product name Hydrachem Limited - Hotspot Matt Black Stove Paint 250ml Aerosols

Product number 764

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

Identified uses Paint.

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

+44 (0) 1403 787700 (Hours 09:00 - 17:00 Mon to Fri) **Emergency telephone**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards Not Classified

1999/45/EC)

Classification (67/548/EEC or F+; R12. Xn; R48/20/21/22. Xi; R36/38. R66, R67

Human health Vapours and spray/mists in high concentrations are narcotic. See Section 11 for additional

information on health hazards.

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

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up.

The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram







Signal word

Danger

Hazard statements H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe vapour/ spray.

P271 Use only outdoors or in a well-ventilated area.

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

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

P304+P340 IF INHALED: Remove person to fresh air and keep 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. P312 Call a POISON CENTRE/doctor if you feel unwell.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplemental label

information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains ACETONE, XYLENE, BUTAN-1-OL

Supplementary precautionary

statements

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P314 Get medical advice/ attention if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention.

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

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

ACETONE 30-60%

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-

2119471330-49-XXXX

Classification

Flam. Liq. 2 - H225 Eye Irrit. 2 - H319

STOT SE 3 - H336

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PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE

30-60%

Classification

Flam. Gas 1 - H220

Press. Gas (Comp.) - H280

XYLENE 10-30%

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-

2119488216-32-XXXX

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226 Xn; R65, R48/20/21/22, R20/21. Xi; R36/37/38. R10

Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

STOT RE 2 - H373 Asp. Tox. 1 - H304

2-METHOXY-1-METHYLETHYL ACETATE 1-5%

CAS number: 108-65-6 EC number: 203-603-9 REACH registration number: 01-

2119475791-29-XXXX

Classification

Flam. Liq. 3 - H226

BUTAN-1-OL 1-5%

CAS number: 71-36-3 EC number: 200-751-6 REACH registration number: 01-

2119484630-38-XXXX

Classification

Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318

STOT SE 3 - H335, H336

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 Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. If in doubt, get medical attention promptly.

Ingestion Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for

breathing. Get medical attention.

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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 aidersFirst 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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during

firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers

exposed to heat with water spray and remove them from the fire area if it can be done without

risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory

protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near

spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into

containers.

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

Usage precautions Keep away from heat, sparks and open flame. Read and follow manufacturer's

recommendations. When sprayed on a naked flame or any incandescent material the aerosol

vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated. Do not eat, drink or smoke

when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Protect from freezing and direct sunlight. Store in a dry place. Do not store near heat sources

or expose to high temperatures. Keep away from heat, sparks and open flame.

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

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³ Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³ Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³ Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³ Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³ Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³ Sk, Sk

2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³ Sk

BUTAN-1-OL

Short-term exposure limit (15-minute): WEL 154 mg/m³ 50 ppm

WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

ACETONE (CAS: 67-64-1)

DNEL Workers - Dermal; Long term systemic effects: 186 mg/kg/day

Workers - Inhalation; Short term local effects: 2420 mg/m³ Workers - Inhalation; Long term systemic effects: 1210 mg/m³

PNEC - Sediment (Freshwater); 30.4 mg/kg

- Sediment (Marinewater); 3.04 mg/kg

- Marine water; 1.06 mg/l

- Soil; 29.5 mg/kg

XYLENE (CAS: 1330-20-7)

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DNEL Consumer - Dermal; Long term systemic effects: 108 mg/kg/day

Workers - Dermal; Long term systemic effects: 180 mg/kg/day Consumer - Inhalation; Short term local effects: 174 mg/m³ Consumer - Inhalation; Short term systemic effects: 174 mg/m³ Workers - Inhalation; Short term systemic effects: 289 mg/m³ Workers - Inhalation; Short term local effects: 289 mg/m³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³ Workers - Inhalation; Long term systemic effects: 77 mg/m³

PNEC - Fresh water; 0.327 mg/l

- Marine water; 0.327 mg/l - Intermittent release; 0.327 mg/l

- STP; 6.58 mg/l

Sediment (Freshwater); 12.46 mg/kgSediment (Marinewater); 12.46 mg/kg

- Soil; 2.31 mg/kg

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL Consumer - Oral; Long term systemic effects: 1.67 mg/kg/day

Consumer - Dermal; Long term systemic effects: 54.8 mg/kg/day Workers - Dermal; Long term systemic effects: 153.5 mg/kg/day Consumer - Inhalation; Long term systemic effects: 33 mg/m³ Workers - Inhalation; Long term systemic effects: 275 mg/m³

PNEC - Fresh water; 0.635 mg/l

Sediment (Freshwater); 3.29 mg/kgSediment (Marinewater); 0.329 mg/kg

- Soil; 0.29 mg/kg

BUTAN-1-OL (CAS: 71-36-3)

DNEL Consumer - Oral; Long term systemic effects: 3.125 mg/kg/day

Consumer - Inhalation; Long term local effects: 55 mg/m³ Workers - Inhalation; Long term local effects: 310 mg/m³

PNEC - Fresh water; 0.082 mg/l

Sediment (Freshwater); 0.178 mg/kg
Intermittent release; 2.25 mg/l

- Sediment (Marinewater); 0.0178 mg/kg

- Marine water; 0.0082 mg/l

STP; 2476 mg/lSoil; 0.015 mg/kg

8.2. Exposure controls

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible.

Hand protection No specific requirements are anticipated under normal conditions of use.

Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of

vapours, spray or mist.

Respiratory protection No specific recommendations. If ventilation is inadequate, suitable respiratory protection must

be worn.

SECTION 9: Physical and Chemical Properties

Hydrachem Limited - Hotspot Matt Black Stove Paint 250ml Aerosols

9.1. Information on basic physical and chemical properties

Appearance Aerosol.

Colour Black.

Odour Solvents

Odour threshold

PH

No information available.

No information available.

No information available.

No information available.

-41 (-41 TO 143)°C @

Flash point -40°C 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: 0.8 % Upper flammable/explosive limit: 13.0 %

Vapour pressure No information available.

Vapour density No information available.

Relative density 0.78

Solubility(ies) Insoluble in water.

Partition coefficient No information available.

Auto-ignition temperature 333°C

Decomposition TemperatureNo information available.ViscosityNo information available.Explosive propertiesNo information available.Oxidising propertiesNo information available.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

ReactivityNo 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

Possibility of hazardous

None known.

reactions

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high

temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

Hazardous decomposition

None at ambient temperatures.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 34,530.39

Acute toxicity - dermal

ATE dermal (mg/kg) 8,937.28

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 89.37

Inhalation Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness

and nausea.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Acute and chronic health

hazards

May cause damage to organs through prolonged or repeated exposure.

Route of exposure Skin and/or eye contact Inhalation

Toxicological information on ingredients.

ACETONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 5,800.0

mg/kg)

Species Rat

ATE oral (mg/kg) 5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 7,800.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 7,800.0

Acute toxicity - inhalation

Acute toxicity inhalation 21.0

(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 21.0

mg/l)

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 4,300.0

mg/kg)

Species Rat

ATE oral (mg/kg) 4,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 3,200.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours 11.0

mg/l)

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 8,532.0

mg/kg)

Species Rat

ATE oral (mg/kg) 8,532.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 5,001.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 5,001.0

23.8

Acute toxicity - inhalation

Acute toxicity inhalation

(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 23.8

mg/l)

BUTAN-1-OL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 2,001.0

mg/kg)

Species Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

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Acute toxicity dermal (LD₅₀ 3,430.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 3,430.0

Acute toxicity - inhalation

Acute toxicity inhalation

(LC50 vapours mg/l)

Species Rat

ATE inhalation (vapours

mg/l)

20.1

20.1

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

ACETONE

Acute aquatic toxicity

Acute toxicity - fish EC₅₀, 96 hours: 8300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic

invertebrates

EC₅₀, : 8800 mg/l, Daphnia magna

XYLENE

Acute aquatic toxicity

Acute toxicity - fish LOEC, : >1 - <10 mg/l, Fish

Acute toxicity - aquatic

plants

LOEC, : >1 - <10 mg/l, Algae

2-METHOXY-1-METHYLETHYL ACETATE

Acute aquatic toxicity

Acute toxicity - fish LOEC, : >100 mg/l, Fish

Acute toxicity - aquatic

plants

LOEC, : >100 mg/l, Algae

Acute toxicity - microorganisms

LOEC, : >100 mg/l, Activated sludge

BUTAN-1-OL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1376 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic

invertebrates

LC₅₀, 96 hours: 1328 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 96 hours: 225 mg/l, Selenastrum capricornutum

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

Results of PBT and vPvB

assessment

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

12.6. Other adverse effects

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 Waste

codes should be assigned by the user, preferably in discussion with the waste disposal

authorities.

Disposal methodsContainers should be thoroughly emptied before disposal because of the risk of an explosion.

Do not pierce or burn, even after use.

Waste class

The waste code classification is to be carried out according to the European Waste Catalogue

(EWC).

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name

AEROSOLS, FLAMMABLE

(ADR/RID)

Proper shipping name (IMDG) AEROSOLS, FLAMMABLE

Proper shipping name (ICAO) AEROSOLS, FLAMMABLE

Proper shipping name (ADN) AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

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).

Council Directive of 20 May 1975 on the approximation of the laws of the Member States

relating to aerosol dispensers (75/324/EEC) (as amended).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on

waste.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 11/10/2017

Revision 2

Supersedes date 29/07/2014

SDS number 4835

Hazard statements in full H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H229 Pressurised container: may burst if heated.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

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.