

# Barrettine

## SAFETY DATA SHEET

### Acetone

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

|                           |   |
|---------------------------|---|
| PRODUCT NAME              | Acetone   |
| REACH REGISTRATION NUMBER | 01-2119471330-xxxx  |
| CAS-NO.                   | 67-64-1   |
| EC (EINECS) NO.           | 200-662-2   |
| PRODUCT NO.               | ACETGEN   |
| APPLICATION               | Industrial uses.<br>All professional uses<br>All consumer uses  |
| SUPPLIER                  | Barrettine<br>Barrettine Works<br>St Ivel Way<br>Warmley<br>Bristol<br>BS30 8TY<br>Tel: 0117 960 0060<br>Fax: 0117 935 2437<br>sales@barrettine.co.uk |
| EMERGENCY TELEPHONE       | +44 (0)1270 502 891   |

#### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xi;R36. F;R11. R66, R67.

CLASSIFICATION (EC 1272/2008)

|                               |   |
|-------------------------------|---|
| Physical and Chemical Hazards | Flam. Liq. 2 - H225                         |
| Human health                  | EUH066;Eye Irrit. 2 - H319;STOT SE 3 - H336 |
| Environment                   | Not classified.                             |

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



|                   |         |
|-------------------|---------|
| SIGNAL WORD       | Danger  |
| CONTAINS          | ACETONE |
| HAZARD STATEMENTS |         |

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation.      |
| H336 | May cause drowsiness or dizziness.  |

PRECAUTIONARY STATEMENTS

|      |  |
|------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
|------|--|

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|           |  |
|-----------|--|
| P261      | Avoid breathing vapours.   |
| P280      | Wear protective gloves.  |
| P304+340  | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
| P370+378A | In case of fire: Use foam, carbon dioxide, dry powder or other inert material for extinction. Do not use high pressure water jet as this may spread burning material.                |
| P501D     | Empty containers may contain residual product and vapours. Do not cut or weld on or near empty containers. Disposal should only be by means of a licensed waste disposal contractor. |

### SUPPLEMENTARY PRECAUTIONARY STATEMENTS

|              |  |
|--------------|--|
| P243         | Take precautionary measures against static discharge.  |
| P271         | Use only outdoors or in a well-ventilated area.  |
| P303+361+353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P403+233+235 | Store in a well-ventilated place. Keep container tightly closed, Keep cool.  |

### Supplemental Label Information (EU)

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|---|

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

|  |                             |
|--|-----------------------------|
| ACETONE                                    | >98%                        |
| CAS-No.: 67-64-1                           | EC No.: 200-662-2           |
| Registration Number: 01-2119471330-49-XXXX |                             |
| Classification (EC 1272/2008)              | Classification (67/548/EEC) |
| Flam. Liq. 2 - H225                        | F;R11                       |
| EUH066                                     | Xi;R36                      |
| Eye Irrit. 2 - H319                        | R66                         |
| STOT SE 3 - H336                           | R67                         |

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

|                 |           |
|-----------------|-----------|
| EC (EINECS) NO. | 200-662-2 |
| CAS-NO.         | 67-64-1   |

### COMPOSITION COMMENTS

This product is not a mixture.

## 4 FIRST-AID MEASURES

### GENERAL INFORMATION

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest. Never give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

### NOTES TO THE PHYSICIAN

No specific first aid measures noted.

### INHALATION

If unconscious or breathing is irregular place on their side in the recovery position and ensure their airways are clear. Artificial respiration may be administered by suitably qualified first-aiders if the patient is unconscious or breathing is difficult.

Get immediate medical attention.

### INGESTION

If swallowed do NOT induce vomiting.

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly and seek medical attention if discomfort persists. Keep patient under observation.

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## SKIN CONTACT

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Launder clothing before reuse.

## EYE CONTACT

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

### SPECIAL FIRE FIGHTING PROCEDURES

Cool containers exposed to flames with water until well after the fire is out.

### SPECIFIC HAZARDS

In fire conditions this product as well as giving off intense heat may evolve gaseous oxides of carbon and nitrogen. Burning material gives off dense acrid smoke and fumes which may contain other toxic and harmful gases. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

### PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing (see Section 8). Keep unnecessary people at a safe distance.

### ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

### SPILL CLEAN UP METHODS

Ventilate well. Extinguish all ignition sources. Avoid sparks, flames, heat. No smoking. Keep flammable materials away from spillage. Clean-up personnel should use respirator and liquid contact protection.

Absorb in vermiculite, dry sand or earth and place into containers. Wash well after dealing with spillage. Inform authorities if large amounts are involved.

Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Use only with adequate ventilation. Do not breathe vapour or mist.

Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres. Avoid spilling, skin and eye contact. Wash thoroughly after handling.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. Store away from oxidising materials.

### STORAGE CLASS

Flammable liquid storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name    | STD | TWA - 8 Hrs |                        | STEL - 15 Min |                        | Notes |
|---------|-----|-------------|------------------------|---------------|------------------------|-------|
| ACETONE | WEL | 500 ppm     | 1210 mg/m <sup>3</sup> | 1500 ppm      | 3620 mg/m <sup>3</sup> |       |

WEL = Workplace Exposure Limit.

# Acetone

## STD

WEL = Workplace Exposure Limits

## PROCESS CONDITIONS

Provide eyewash station.

## ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

## RESPIRATORY EQUIPMENT

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

## HAND PROTECTION

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. Suitable gloves may include - Butyl rubber. Neoprene, nitrile, polyethylene or PVC. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

## EYE PROTECTION

Wear tightly fitting safety goggles conforming to EN 166. Contact lenses should not be worn when working with this chemical!

## OTHER PROTECTION

Provide eyewash station and safety shower. Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly.

## HYGIENE MEASURES

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothes should be removed and laundered before re-use.

## SKIN PROTECTION

Avoid prolonged and/or repeated contact with skin.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|   |                                 |
|---|---------------------------------|
| APPEARANCE                                      | Liquid                          |
| COLOUR  | Colourless.                     |
| ODOUR   | Characteristic.                 |
| VOLATILITY DESCRIPTION                          | Highly volatile.                |
| SOLUBILITY                                      | Completely miscible with water. |
| BOILING POINT (°C)                              | 56°C                            |
| MELTING POINT (°C)                              | -95°C                           |
| RELATIVE DENSITY                                | 0.79 20°C                       |
| VAPOUR PRESSURE                                 | 240 hPa 20°C                    |
| VOLATILE BY VOL. (%)                            | 100                             |
| pH-VALUE, CONC. SOLUTION                        | 5-6 @ 20°C                      |
| VISCOSITY                                       | 0.33 @20°C mPas 25°C            |
| FLASH POINT (°C)                                | -17°C                           |
| AUTO IGNITION                                   | 465°C                           |
| TEMPERATURE (°C)                                |                                 |
| FLAMMABILITY LIMIT - LOWER(%)                   | 2.2                             |
| FLAMMABILITY LIMIT - UPPER(%)                   | 12.8                            |
| PARTITION COEFFICIENT (N-Octanol/Water)         | -0.24 @ 20°C.                   |
| SOLUBILITY VALUE (g/100g H <sub>2</sub> O@20°C) | miscible                        |
| VOLATILE ORGANIC COMPOUND (VOC)                 | 100 % (EC/1999/13)              |

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal conditions of storage and use. See section 7.

# Acetone

## CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

## MATERIALS TO AVOID

Strong oxidising agents, acids and bases. Peroxides.

## HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 5800 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50 2000 mg/kg (dermal-rabbit)

### TOXICOLOGICAL INFORMATION

Normal precautions necessary for the handling of all chemicals and the information and advice provided in this safety data sheet (SDS) should be observed.

#### INHALATION

Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

#### SKIN CONTACT

Can cause defatting and dryness of skin, leading to cracking and eczema. Not expected to cause harm on brief contact, but prolonged or repeated exposure may lead to dermatitis.

#### ROUTE OF ENTRY

Inhalation. Skin absorption.

## 12 ECOLOGICAL INFORMATION

### MOBILITY

Contamination will evaporate from the surfaces of water and soil.

### BIOACCUMULATION

The product is not bioaccumulating.

### DEGRADABILITY

The product is easily biodegradable.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Empty containers may contain residual product and flammable vapours. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty unlaundered containers must be treated in the same manner as when full; labels should not be removed.

### DISPOSAL METHODS

Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

### WASTE CLASS

European Waste Catalogue numbers must be determined from the nature of the use and process from which the waste arises.

## 14 TRANSPORT INFORMATION



|                      |                             |
|----------------------|-----------------------------|
| PROPER SHIPPING NAME | ACETONE                     |
| UN NO. ROAD          | 1090                        |
| ADR CLASS NO.        | 3                           |
| ADR CLASS            | Class 3: Flammable liquids. |

## Acetone

|                               |          |
|-------------------------------|----------|
| ADR PACK GROUP                | II       |
| TUNNEL RESTRICTION CODE (D/E) |          |
| HAZARD No. (ADR)              | 33       |
| ADR LABEL NO.                 | 3        |
| HAZCHEM CODE                  | •2YE     |
| UN NO. SEA                    | 1090     |
| IMDG CLASS                    | 3        |
| IMDG PACK GR.                 | II       |
| EMS                           | F-E, S-D |
| UN NO. AIR                    | 1090     |
| AIR CLASS                     | 3        |
| AIR PACK GR.                  | II       |

### 15 REGULATORY INFORMATION

#### EU DIRECTIVES

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

EC Regulation 1907/2006 (as amended) : 'REACH'.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

(as amended)

#### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition 2013 <http://www.hse.gov.uk/pubns/priced/l15.pdf>

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Environmental Protection (Duty of Care) Regulations.

#### GUIDANCE NOTES

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

### 16 OTHER INFORMATION

#### REVISION COMMENTS

Comprehensive revision. REACH registration number(s) added.

REVISION DATE 20-Feb-13 - Rev 02: 0718

SDS NO. 10789

#### HAZARD STATEMENTS IN FULL

EUH066 Repeated exposure may cause skin dryness or cracking. , H225 Highly flammable liquid and vapour. , H319 Causes serious eye irritation. , H336 May cause drowsiness or dizziness.

#### 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.