

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Print Date 01.10.2015

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

1.1 Product identifiers

Product name : Barium Sulphate
REACH No. :
EC number : 232-455-8
CAS number : 8042-47-5

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

Identified uses : Coatings, cosmetica, paint.

1.3 Details of the supplier of the safety data sheet

Company : Vet-Way Ltd,
1 Harrier court
Airfield Business Park
Elvington
York
YO41 4EA
UNITED KINGDOM

Telephone : +44 (0)1904 607600
Fax : +44 (0)1904 607601

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008.

This product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

Hazard Pictograms

Void

Signal Word: Void

Hazard Statements: Void

2.3 Other hazards

Result of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

SECTION 3: Composition/information on ingredients

3.1 Chemical Characterisation: Substances

Identification number(s) Not applicable

Barium Sulphate: EINECS: 231-784-4
CAS:7727-43-7

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled

Supply fresh air; consult doctor in case of complaints.

In case of skin contact

Immediately wash with water and soap and rinse thoroughly.

In case of eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If swallowed

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable extinguishing media

Use fire extinguishing methods suitable to surrounding conditions

5.2 Special hazards arising from the substance or mixture

Sulphur Dioxide

5.3 Advice for firefighters

Mount respiratory protective device. Wear self-contained respiratory device.

5.4 Further information

Cool endangered receptacles with water spray

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Keep away from ignition sources. Avoid formation of dust. Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

Inform respective authorities in case of seepage into watercourse or sewage system.

Do not allow to enter sewers/surface or ground water.

6.3 Methods and materials for containment and cleaning up

Pick up mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent formulation of dust

Ensure good ventilation/exhaustion at the work place.

Information about fire - and explosion protection

Keep ignition sources away - do not smoke.

Protect against electrostatic charges

Use explosion proof apparatus/fittings and spark-proof tools.

Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles : No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions:

Store in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight. Store receptacle in a well ventilated area.

Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the work place**

Barium Sulphate: Long-term value: 10^{-4} mg/m^3

*Total inhalable dust **respirable dust

Additional information: The lists valid during the making were used as a basis

8.2 Exposure controls**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Eye/face protection

EN 166(EU) Tightly sealed goggles

Skin protection

Protective work clothing. Protective gloves.

Material of the gloves: EN374 The selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer.

Penetration time of the glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation.

Body protection

Use protective suit.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- | | |
|---------------|--------------------|
| a) Appearance | Powder |
| | Colour: colourless |

b)	Odor	odourless
c)	Odor Threshold	no data available
d)	pH	6-9
e)	Melting point/freezing point	1580°C
f)	Initial boiling point and boiling range	1149°C
g)	Flash point	no data available
h)	Evaporation rate	no data available
i)	Flammability (solid, gas)	no data available
j)	Upper/lower flammability or explosive limits	Not applicable
k)	Vapour pressure	no data available
l)	Vapour density	no data available
m)	Relative density	4.2 g/cm ³ at 20 °C
n)	Water solubility	insoluble
o)	Partition coefficient: n-octanol/water	no data available
p)	Auto-ignition temperature	no data available
q)	Decomposition temperature	no data available

- r) Viscosity no data available
- s) Explosive properties Product does not present an explosion hazard
- t) Oxidizing properties no data available

9.2 Other safety information

Relative vapour density 2.63 - (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

No decomposition if used according to specifications

10.3 Possibility of hazardous reactions

no dangerous reactions known.

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Sulphur Oxides (SOx)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ORL	RAT	LD50	307000	mg/kg
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Skin corrosion/irritation

Based on available data, the classification criteria are not met

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met

Sensitisation

Based on available data, the classification criteria are not met

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Based on available data, the classification criteria are not met

Carcinogenicity Based on available data, the classification criteria are not met

Reproductive toxicity Based on available data, the classification criteria are not met

STOT-single exposure

Based on available data, the classification criteria are not met

STOT-repeated exposure

Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Toxicity:

LC50 (72u) >100mg/l (fish) (*Pseudokirchneriella subcapitata*)

12.2 Persistence and degradability

No further relevant information available

12.3 Bioaccumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available

Additional ecological data: Do not allow product to reach ground water, water course or sewage system

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Smaller quantities can be disposed of within household waste.

Contaminated packaging

Dispose of according to official regulations.

SECTION 14: Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name ADR/RID:

Not dangerous goods IMDG:

Not dangerous goods IATA:

Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

National regulations:

Water hazard class: Generally not hazardous for water

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Further information

The information provided in these documents is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties. In no event will we be responsible for the damages or effects of any nature whatsoever either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application.

Emergency number 112