

MATERIALS SAFETY DATA SHEET

1. Identification of substance/preparation, and of company/undertaking

Identification of the product

Product name: Defoamer 250ml, 500ml, 1ltr, 5ltr

Manufacturer/supplier name

Company: Kusuri Products Ltd, Unit 12, Wentworth Road, Daneheath Business Park,
Heathfield Industrial Estate, Newton Abbot, Devon, TQ12 6TL, United Kingdom.
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2. Composition/information on ingredients

Chemical characterisation

Organic liquid

Product name: Defoamer

CAS number: EINECS:

Polydimethylsiloxane (anti foaming agent food grade silicon) in aqueous solution

3. Hazards identification

No significant hazards to man, may cause transient irritation of eyes, or mild skin irritation.

4. First aid measures

Eye contact: mild transient irritation. Irrigate thoroughly with water for at least 10 minutes. Seek medical attention if required.

Inhalation: mild irritation of nose and throat. Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical attention.

Skin contact: mild irritation. Drench the skin with plenty of water. Remove contaminated clothing, and wash before re-use. If large areas of the skin are damaged, or if irritation persists, seek medical attention.

Ingestion: mild discomfort. Wash mouth out thoroughly with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

5. Fire fighting measures

Special risks

Combustible when in contact with Silica, Carbon dioxide, Formaldehyde.

Suitable extinguishing media

Extinguisher suitable to fire conditions.

Special equipment for fire fighting

Self-contained breathing apparatus.

6. Accidental release measures

Wear appropriate protective clothing. Prevent entry into drains and water courses. When cleaning up after spillage, soak up with inert absorbent, and hold in closed containers for waste disposal.

7. Handling and storage

Handling

Avoid contact with eyes. Avoid prolonged, or repeated, skin contact. Wash hands immediately after working with this substance. Keep out of reach of children.

Storage

Store in original containers. Can be stored within temperature range of 5-50 C. Protect from frost, and keep away from strong oxidising agents.

8. Exposure controls and personal protection

UK exposure limits: none assigned.

Personal protection equipment

Respiratory: type approved respiratory equipment for mists, if required.

Ventilation: general ventilation.

Hands: gloves - rubber or plastic.

Eye protection: goggles.

Other: overalls.

Always wash hands thoroughly after handling non toxic chemicals.

9. Physical and chemical properties

General information

| | |
|----------------|-------------------|
| <u>Form:</u> | liquid suspension |
| <u>Colour:</u> | white |
| <u>Odour:</u> | none |

Health and safety information

| | |
|-----------------------------|-------------|
| <u>Melting point:</u> | no data |
| <u>Boiling temperature:</u> | circa 100 C |
| <u>Density:</u> | 1.00 - 1.05 |
| <u>Solubility in water:</u> | dispersible |
| <u>pH value:</u> | 8-10 pH |
| <u>Flash point:</u> | > 100 C |

10. Stability and reactivity

Stable at storage conditions. Ensure protection from frost. Avoid strong oxidizing agents. Hazardous decomposition when comes in contact with Silica, Carbon dioxide or Formaldehyde.

11. Toxicological information

After inhalation: mild irritation only.

After eye contact: temporary discomfort only.

After skin contact: unlikely to cause irritation in normal handling and use. However, prolonged or repeated contact may cause irritation. May have the potential to cause contact allergy (skin sensitisation).

After ingestion: mild discomfort only.

Low acute toxicity.

This product should be handled with the usual care, as when dealing with all chemicals.

We have no evidence of carcinogenic effects.

We have no evidence of either mutagenic or teratogenic effects.

12. Ecological information

Has been shown to be non-toxic to sewage sludge bacteria. Dispersible in water. Given time, the emulsion will break; any silicone polymer may initially float, but rapidly absorbs to particulate and sediment.

Degrades in soil abiotically to form smaller molecules. These in turn, are either biodegradable in soil or volatilised into the air, where they are broken down in the presence of sunlight.

Due to the physical size of the molecule; it is unable to pass through, or be absorbed by, biological membranes.

Aquatic toxicity - has a water endangering classification of WGK 1.

13. Disposal considerations

Substance

Dispose of via an authorised waste disposal contractor, to an approved waste disposal site.

Container

Dispose of via an authorised waste disposal contractor, to an approved waste disposal site. Used containers must not be cut up, or punctured, until completely purged of product residues.

14. Transport information

No regulations for transport.

15. Regulatory information

Labelling according to EC directives

Symbol: not assigned

R-phrases: none given.

S-phrases: none given.

EC number:

Local regulations

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health Regulations (COSHH).

16. Other information

Other sources of information, and current legislation, can be found in: -
Health and Safety at Work Act 1974
Control of Substances Hazardous to Health (COSHH) Regulations 1998
H.S.E. Guidance Note EH40 (Occupational Exposure Limits)
Manual Handling Operations Regulations 1992

The information contained herein is based upon the present state of our knowledge, and does not therefore guarantee certain properties. This data sheet does not constitute the user own assessment of workplace risk, as required under other Health and Safety legislation. Recipients of our products must take responsibility for observing existing laws and regulations. This safety data sheet, and information contained herein, is offered in good faith as being correct. However, no warranty, express or implied, is made.

Revision date 1st November 2007