



Kinetics Controls & Innovation Ltd

SAFETY DATA SHEET

MS-Pac Compound

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

1.1. Product identifier

Product name MS-Pac Compound

Synonyms; trade names MS-Pac

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

Identified uses Corrosion inhibitor. Filler

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier KCI Ltd (Kinetics Control and Innovation Limited)
 Unit 4 & 6-7
 1 Kirkhill Place
 Dyce
 Aberdeen
 AB21 0GU
 UK
 +44 (0)1224 255480
 www.kciltld.co.uk
 info@kciltld.co.uk

Contact person Roy MacKenzie

1.4. Emergency telephone number

Emergency telephone +44 (0) 1224 255480 (office hours only)

National emergency telephone NHS: 111 (Members of the public)

number UK National Poisons Information Service: 0844 892 0111 (Health Professionals Only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

MS-Pac Compound

| | |
|-----------------------|------------------------|
| Health hazards | Eye Irrit. 2 - H319 |
| Environmental hazards | Not Classified |

2.2. Label elements

Pictogram

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | | |
|---------------------------|---|----------------------------|----------------------|
| Calcium Carbonate | | | 10-30% |
| CAS number: 471-34-1 | EC number: 207-439-9 | REACH registration number: | 012119486795-18-XXXX |
| Classification | Not Classified | | |
| Silicic acid, ethyl ester | | | 5-10% |
| CAS number: 11099-06-2 | EC number: 234-324-0 | | |
| Classification | Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335 | | |
| 2-(2-butoxyethoxy)ethanol | | | 1-5% |
| CAS number: 112-34-5 | EC number: 203-961-6 | | |

MS-Pac Compound

| | |
|---------------------------------------|----------------------|
| Classification Eye Irrit. 2 - H319 | |
| Alcohols, C9-11 ethoxylated, < 2.5 EO | 1-5% |
| CAS number: 68439-46-3 | EC number: 614-482-0 |
| Classification Eye Dam. 1 - H318 | |

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 | Get medical advice/attention if you feel unwell. |
| Inhalation | Remove person to fresh air and keep comfortable for breathing. |
| Ingestion | Get medical attention if symptoms are severe or persist. |
| Skin contact | Rinse with water. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist 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

| | |
|--------------|--------------------------------|
| Inhalation | No specific symptoms known. |
| Ingestion | No specific symptoms known. |
| Skin contact | No specific symptoms known. |
| Eye contact | Causes serious eye irritation. |

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 | Foam. Carbon dioxide (CO2). Powder. Dry chemicals. Water spray, fog or mist. Inert gas. |
| Unsuitable extinguishing | None known. |

MS-Pac Compound

media

5.2. Special hazards arising from the substance or mixture

| | |
|-------------------------------|---|
| Specific hazards | None known. |
| Hazardous combustion products | Oxides of carbon. Metal products. Silica. Formaldehyde. |

5.3. Advice for firefighters

| | |
|--|--|
| Protective actions during firefighting | In case of fire: Evacuate area. Fight fire with normal precautions from a reasonable distance. Cool containers exposed to flames with water until well after the fire is out. |
| Special protective equipment materials. for firefighters | Use protective equipment appropriate for surrounding |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|----------------------|--|
| Personal precautions | Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. |
|----------------------|--|

6.2. Environmental precautions

| | |
|---------------------------|---|
| Environmental precautions | The product is not expected to be hazardous to the environment. The product is not expected to be toxic to aquatic organisms. |
|---------------------------|---|

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Place waste in labelled, sealed containers. Dispose of contents/container in accordance with local regulations. |
|-------------------------|---|

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. For waste disposal, see Section 13. |
|-----------------------------|--|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|---|---|
| Usage precautions | Avoid contact with skin, eyes and clothing. |
| Advice on general hygiene procedures should be implemented. | Provide eyewash station. Wash hands thoroughly after handling. Good personal hygiene occupational hygiene procedures should be implemented. |

7.2. Conditions for safe storage, including any incompatibilities

MS-Pac Compound

Storage precautions Keep away from oxidising materials, heat and flames.

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

Calcium Carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable aerosol

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable aerosol

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): WEL 67.5 mg/m³ 10 ppm

Short-term exposure limit (15-minute): WEL 101.2 mg/m³ 15 ppm

WEL = Workplace Exposure Limit

Ingredient comments Silicic acid, ethyl ester (EC 234-324-0, CAS 11099-06-2):

DNEL No information available.

PNEC No information available.

8.2. Exposure controls

Protective equipment



Appropriate engineering

controls Provide adequate ventilation.

Eye/face protection Wear eye protection.

Hand protection Wear protective gloves.

Hygiene measures Good personal hygiene procedures should be implemented.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|------------------------------|
| Appearance | Paste. |
| Colour | White. |
| Odour | Slight. |
| Initial boiling point and range | >260°C @ 101.325 kPa |
| Flash point | ~ 298°C OC (Open cup). |
| Relative density | 1.8 g/cm ³ @ 23°C |
| Viscosity | 11.000 mPa s @ 23°C |

MS-Pac Compound

Comments This information is not intended for use in preparing product specification.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Heating may generate the following products: Carbon dioxide (CO₂). Carbon monoxide (CO). Formaldehyde vapour. Silicon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,494.50549451

Serious eye damage/irritation

Serious eye damage/irritation Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity No information available.

MS-Pac Compound

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility No information 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 No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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.

MS-Pac Compound

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

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

SECTION 16: Other information

| | |
|---------------------------|---|
| General information | The data contained herein does not constitute the user's own assessment or workplace risk as required by other health and safety legislation (e.g. COSHH 1988). The data does not signify any warranty with regard to the product's properties. |
| Revision comments | This revision to the SDS removed classification information according to Directive 67/548/EEC (Dangerous Substances Directive) and Directive 1999/45/EC (Dangerous Preparations Directive). Removal of this information is a requirement of Regulation (EC) No 1272/2008 (Classification Labelling and Packaging Regulation). |
| Revision date | 03/07/2015 |
| Supersedes date | 09/03/2015 |
| SDS number | 4550 |
| Hazard statements in full | H226 Flammable liquid and vapour. H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. |