

Revision: 2.0
(Replaces revision 1.1 of 16 April 2021)Revision date: 19 April 2021
Date printed: 25 January 2022**Section 1. Identification**

1.1 Product Identifier CHE5968SE

Product Name SULPHUR RESUBLIMED 1Kg.

CAS Number 7704-34-9
REACH Registration No 01-2119487295-27-XXXX

Molecular Formula $S = 32.06$

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

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier SLS Select Education

Wilford Industrial Estate
Ruddington Lane
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Nottingham
NG11 7EP
UNITED KINGDOM

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(Have this document to hand)

Section 2. Hazards Identification**2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Skin corrosion/irritation, category 2

H315: Causes skin irritation.

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Signal word Warning

Hazard Pictograms



Hazard Statements Causes skin irritation.

Precautionary Statements Ground/bond container and receiving equipment. Keep away from heat / sparks/open flames/hot surfaces - No smoking. Wear protective gloves / protective clothing / eye protection / face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Section 3. Composition

3.1 Substances

| Component | CAS No. | EEC No. | REACH No. | Conc w/w | CLP Classification (1272/2008/CE) |
|-----------|-----------|-----------|-----------------------|----------|-----------------------------------|
| Sulphur | 7704-34-9 | 231-722-6 | 01-2119487295-27-XXXX | 100% | Skin Irrit. 2 |

Section 4. First Aid

4.1 Description of first aid measures

| | |
|--------------------------------------|--|
| Eyes | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION. |
| Skin | Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. |
| Inhalation | Remove from exposure. Keep warm and at rest. |
| Ingestion | Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION URGENTLY. |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

4.2 Most important symptoms and effects, both acute & 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. Fire Fighting

5.1 Extinguishing media

| | |
|---------------------|--|
| Extinguishing Media | Water spray, dry powder or carbon dioxide. |
| Unsuitable Media | Do not use water jet. |

5.2 Special hazards arising from the substance or mixture

| | |
|---------|---|
| Hazards | Can form explosive dust clouds. May evolve toxic fumes if involved in a fire. |
|---------|---|

5.3 Advice for firefighters

| | |
|-------------------------|--|
| Advice for firefighters | Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. |
|-------------------------|--|

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---------------------|--|
| Personal Protection | Avoid breathing dust. Use approved personal protective equipment. Keep away from sources of ignition - No Smoking. |
|---------------------|--|

6.2 Environmental precautions

| | |
|---------------|---|
| Environmental | Presents no major environmental hazard. |
|---------------|---|

6.3 Methods and material for containment and cleaning up

| | |
|----------------|--|
| Major Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer Wash area down with copious amounts of water. |
| Minor Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer Wash area down with copious amounts of water. |

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. All transfer systems should be earthed to prevent accumulation of static electricity.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep well separated from oxidising agents. Keep well separated from combustible materials.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

| Component | CAS No | Concentration | Workplace Exposure Limits | |
|-----------|-----------|---------------|---------------------------|--------------------------|
| | | | Long Term (8hr TWA) | Short Term 15min period) |
| Sulphur | 7704-34-9 | 100% | - | - |

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

| | |
|------------------------|--|
| Respiratory Protection | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask. |
| Hand Protection | Wear gloves. |
| Eye Protection | Use tightly fitting chemical splash proof glasses or goggles. |
| Skin Protection | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards | No special precautions required. |

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|---|
| Appearance | Yellow powder. |
| Odour | Characteristic. |
| pH | Not applicable |
| Boiling Point | 444°C |
| Melting Point | 114°C |
| Flash Point | 157°C (Closed cup) |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | 280°C |
| Explosive Properties | Can form explosive dust clouds-limits: lower 35g/m3 -upper 400mg/m3 |
| Oxidising Properties | No. |
| Vapour Pressure | Not applicable |
| Relative Density | 2.0000 |
| Water Solubility | Insoluble in water. |

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

| | | |
|-------------|------------------------------------|--|
| 10.3 | Possibility of hazardous reactions | No data available. |
| 10.4 | Conditions to Avoid | Hot surfaces, naked flames or other sources of ignition. |
| 10.5 | Incompatible Materials | Strong oxidising agents. |
| 10.6 | Hazardous Decomposition Products | Liberates toxic and acidic dense white fumes of sulphur dioxide. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

| | |
|----------------------|--|
| Eyes | Presents no significant health hazard to the eyes. |
| Skin | Causes skin irritation. |
| LD50 Skin | >2000mg/kg Rabbit |
| Ingestion | Presents no significant hazard by ingestion. |
| LD50 Oral | >5000mg/kg Rat |
| Inhalation | Presents no significant health hazard by inhalation. |
| LD50 Inhalation | >9.23mg/l Rat (4 hours) |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |
| Other Information | Major health hazard would be in case of fire when toxic sulphur dioxide fumes are evolved. |

Section 12. Ecological

| | | |
|-------------|----------------------------------|-----------------------------------|
| 12.1 | Toxicity | No specific environmental hazard. |
| | LC50 Algal | Not available |
| | LC50 Crustacea | Not available |
| | LC50 Fish | 866mg/l Fish (96 hours) |
| 12.2 | Persistence and degradability | No data available. |
| 12.3 | Bioaccumulative potential | No data available. |
| 12.4 | Mobility in soil | No data available. |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 | Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

| | |
|------------------------|--|
| Disposal Methods | Dispose of in a licensed incinerator. Do not dispose of as domestic waste. |
| Contaminated Packaging | Use a licensed waste disposer. |

Section 14. Transport Information

| | |
|--|----------------------------------|
| 14.1 UN Number | 1350 |
| 14.2 Proper Shipping Name | Sulphur |
| 14.3 Transport classes | |
| UN classification | 4.1 |
| Subsidiary hazard(s) | None |
| Transport category | 3 |
| ADR Hazard ID | 40 |
| Tunnel Restriction Code | E |
| 14.4 Packing Group | III |
| 14.5 Environment hazards | See section 12. |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk | Not transported in bulk. |



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Skin corrosion/irritation, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H315
Causes skin irritation.

Precautionary Statements P240, P210, P280, P302+P352, P332+P313, P362
Ground/bond container and receiving equipment. Keep away from heat / sparks/open flames/hot surfaces - No smoking. Wear protective gloves / protective clothing / eye protection / face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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