

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/0644-DA

Product Name **SULPHUR RESUBLIMED**

Molecular Formula **S =32.06**

CAS Number **7704-34-9**

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2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Sulphur	7704-34-9	231-722-6	100.0%	F : R11,R90	N/A

3. Hazards Identification



Highly flammable. Liberates toxic gas on burning.

4. 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.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Water spray, dry powder or carbon dioxide.

Unsuitable Media Do not use water jet.

6. Accidental Release Measures

Personal Protection Avoid breathing dust. Use approved personal protective equipment.

Environmental Presents no major environmental hazard.

6. Accidental Release Measures (continued)

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.

7. Storage & Handling

Handling Precautions	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.
Storage Conditions	Well ventilated, cool, dry storage . Keep well separated from oxidising agents. Keep well separated from combustible materials.

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Yellow powder.
Odour	Characteristic.
pH	Not available
Boiling point	444.0 °C
Melting point	114.0 °C
Flash point	157.0 °C(Closed cup)
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	280.0 °C
Explosive properties	Can form explosive dust clouds-limits: lower 35g/m3 -upper 400mg/m3
Oxidising Properties	No.
Vapour Pressure	0.0001 mbar
Relative Density	2.0000
Water Solubility	Insoluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Liberates toxic and acidic dense white fumes of sulphur dioxide.

11. Toxicological Information

Eyes	Presents no significant health hazard to the eyes.
Skin	Presents no significant hazard by skin contact.
LD50 Skin	Not available

11. Toxicological Information (continued)

Ingest	Presents no significant hazard by ingestion.
LD50 Ingest	Oral Rat 5g/Kg
Inhalation	Presents no significant health hazard by inhalation.
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.

12. Ecological

No specific environmental hazard.

13. Disposal Considerations

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

14. Transport Information

Proper Shipping Name	Sulphur
UN Number	1350
UN Classification	4.1 Flammable solid
Subsidiary Risk	None
Flash Point	157.0 °C(Closed cup)
Packing Group	III
Transport Category	3
Marine pollutant	No
ADR Hazard ID	40



15. Regulatory Information

Labelling	Highly Flammable.
Classification	

Label Symbols

F



Risk & safety Phrases Highly flammable. Liberates toxic gas on burning.

EEC Number 231-722-6

16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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