

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

Product Name: SulfaTrap™-R7J
Part No. R7J
Usage: Sulfur removal sorbent
Company: SulfaTrap, LLC
5310 Ward Road, Suite G-07
Arvada, CO 80002
720-352-7919


SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 1), H318
Acute toxicity inhalation (Category 2), H330
Specific target organ toxicity- single exposure (Category 3), Respiratory system, H335
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 2), H411
For the full text of the H-statements mentioned in this Section, see Section 16

2.2 Label Elements

| | |
|---------------------|---|
| Pictogram |  |
| Signal word | Danger |
| Hazard statement(s) | |
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |
| H331 | Fatal if inhaled |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

Precautionary statement(s)

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Revision 08/02/22

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| | |
|---------------------|--|
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray |
| P264 | Wash skin thoroughly after handling |
| P271 | Use only outdoors or in a well-ventilated area |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/eye protection/ face protection |
| P284 | Wear respiratory protection |
| P301+P312+P330 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth |
| P304+P340+P310 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. |
| P305+P351+P338+P310 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| P391 | Collect spillage |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P501 | Dispose of contents/container to an approved waste disposal plant |

2.3 Other Hazards

Hazards not otherwise classified (HNOC) or not covered by GHS

None

Contact info@sulfatrap.com for specific SDS information

SECTION 3. Composition information on ingredients

| Component | CAS # | EC # | Index # | Weight % |
|------------|--------|--------|---------|----------|
| ██████████ | ██████ | ██████ | | >60 |
| ██████████ | ██████ | ██████ | - | <10% |

SECTION 4. First aid measures

4.1 First aid measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area

Skin: Wear suitable protective clothing. Flush with plenty of water if irritation develops. Wash off with soap and plenty of water. Consult a physician.

Eyes: Flush immediately with copious amount of water for at least 15 minutes while holding the eyelids apart. If the patient does not recover, promptly seek medical attention. Flush eyes with water as a precaution

Inhalation: Remove individual to fresh air. If not breathing, give artificial respiration; if

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breathing is difficult, give oxygen. Seek medical attention. If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

Ingestion: If swallowed, wash out mouth with water, contact a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. Fire-fighting measures

5.1 Extinguishing Media:

Suitable extinguishing media Product is not flammable. Use fire-fighting measures suitable for the surrounding fire.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media None

5.2 Special hazards arising from the substance or mixture

Exposure hazards Metal oxide fume
Nature of decomposition is not known

5.3 Advise for firefighters

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.4 Further information

No data available

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions Wear personal protection. Avoid raising dust
Use personal protective equipment. Avoid dust formation. Avoid

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breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleanup

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed and in a dry and well ventilated place. Do not store with acids. Store away from oxidizing agents.

Storage class (TRGS 510): Non-combustible, acute toxic Cat.1 and 2/very toxic hazardous materials

7.3 Specific end use

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

SECTION 8. Exposure controls/personal protection

8.1 Control parameters [Contact info@sulfatrap.com for specific SDS information](mailto:info@sulfatrap.com)

Components with workplace control parameters

| Component | CAS-No. | Value | Control Parameters | Basis |
|------------|------------|--|--------------------|--|
| [REDACTED] | [REDACTED] | TWA | 1mg/m ³ | USA. NIOSH Recommended Exposure Limits |
| | | Also see specific listing for [REDACTED] (dusts and mists) | | |

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

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Personal Protective Equipment**Eye/face protection**

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government statement such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN(EU).

Control of environmental exposure:

Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9. Physical and chemical properties

Appearance and Odor: dark brown to black, odorless pellets

9.1 Information on basic physical and chemical properties

| | |
|--|-------------------|
| a) Appearance | Form: Solid |
| b) Odor | No data available |
| c) Odor Threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | No data available |
| g) Flash point | Not applicable |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower flammable or explosive limits | No data available |
| k) Vapor pressure | No data available |
| l) Vapor density | No data available |

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| | |
|---|-------------------|
| m) Relative density | No data available |
| 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 | No data available |
| t) Oxidizing properties | No data available |

9.2 Other safety information

No other data available

SECTION 10. Stability and reactivity

10.1 Reactivity

No data available

10.1 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of Hazardous Reactions

No data available

10.4 Conditions to Avoid

Avoid moisture

10.5 Incompatible Material

Acids, oxidizing agents.

10.6 Hazardous Decomposition Products

No data available, in the event of fire: see section 5

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral – Human – 200 mg/kg

LC50 Inhalation – Rat – male and female – 4 h – 0.451 mg/L
(OECD Test Guideline 403)

LC50 Inhalation – Rat – male and female – 4 h – 0.56 mg/L

LD50 Dermal Rabbit ->3,160 mg/kg

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LD50 Dermal Rat ->2,000 mg/kg

Skin corrosion/irritation

Skin-human

Result: skin irritation

Serious eye damage/eye irritation

Eye -rabbit

Result: risk of serious damage to the eyes

Respiratory or skin sensitization

No data available

Germ Cell Mutagenicity

Human

Lymphocyte

Cytogenetic analysis

Carcinogenicity

IARC: No components of this product present at levels greater than or equal to 0.1% as identified as probable , possible, or confirmed human carcinogen by IARC.

NTP: No components of this product present at levels greater than or equal to 0.1% as identified as probable , possible, or confirmed human carcinogen by NTP.

OSHA: No components of this product present at levels greater than or equal to 0.1% as identified as probable , possible, or confirmed human carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity-single exposure

Inhalation-May cause respiratory irritation

Specific target organ toxicity-repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS:GL7600000

Symptoms of system copper poisoning may include: capillary damage, headache, cold sweat, weak

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pulse, and kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure. Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease. It has also been reported that copper poisoning has led to hemolytic anemia and accelerates arteriosclerosis.

SECTION 12. Ecological information

12.1 Toxicity

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 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: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal company to dispose of this product.

SECTION 14. Transport information

DOT(US) [Contact info@sulfatrap.com](mailto:info@sulfatrap.com) for specific SDS information

██████████ Class: 6.1 Packing group: II

Proper shipping name: Toxic solid, inorganic, n.o.s. (██████████)

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

IMDG

██████████ Class: 6.1 Packing group: II EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S. (██████████)

Marine pollutant: yes

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IATA [Contact info@sulfatrap.com](mailto:info@sulfatrap.com) for specific SDS information

██████████ Class: 6.1 Packing group: II
Proper shipping name: Toxic solid, inorganic, n.o.s. (██████████)

SECTION 15. Regulatory information

Reach No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for later registration deadline

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, section 313:

| | CAS-No. | Revision Date |
|------------|------------|---------------|
| ██████████ | 20427-59-2 | 2007-07-01 |

[Contact info@sulfatrap.com](mailto:info@sulfatrap.com) for specific SDS information

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard, Reactivity Hazard

Massachusetts Right To Know Components

No chemicals in this material are subject to the reporting requirements of Massachusetts Right To Know Act.

Pennsylvania Right to Know Components [Contact info@sulfatrap.com](mailto:info@sulfatrap.com) for specific SDS information

| | CAS-No. | Revision Date |
|------------|------------|---------------|
| ██████████ | ██████████ | 2007-07-01 |

New Jersey Right to Know Components

| | CAS-No. | Revision Date |
|------------|------------|---------------|
| ██████████ | ██████████ | 2007-07-01 |

California Prop. 65 Components

This product does not contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. Other information

Full text of H-Statements referred to under sections 2 and 3

Acute Tox. Acute toxicity

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| | |
|-----------------|--|
| Aquatic Acute | Acute aquatic toxicity |
| Aquatic Chronic | Chronic aquatic toxicity |
| Eye Dam. | Serious eye damage |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H330 | Fatal if inhaled |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects. |
| STOT SE | Specific target organ toxicity-single exposure |

HMIS Rating

| | |
|-----------------------|---|
| Health Hazard: | 4 |
| Chronic Health Hazard | |
| Flammability: | 0 |
| Physical Hazard | 0 |

NFPA Rating:

| | |
|-------------------|---|
| Health Hazard: | 3 |
| Fire Hazard | 0 |
| Reactivity Hazard | 0 |

Further Information

The above information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. SulfaTrap, LLC. shall not be held liable for any damage resulting from handling or from contact with the above product when used other than as intended. Not for drug, household, or other uses.