

SECTION 1. Identification of the substance/mixture and the company/undertaking**1.1 Product Identifiers**

Product Name: SulfaTrap™-R2Gx Sorbent
Part No. R2Gx

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

Usage: Sorbent for removal of sulfur

1.3 Details of supplier of the safety data sheet

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)**

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319


Specific target organ toxicity – single exposure (Category 3), Respiratory, H335

Very toxic to aquatic life (Category 1), H400

Very toxic to aquatic life with long lasting effects (Category 1), H410

For the full text of the H-statements mentioned in this Section, see Section 16

2.2 Label Elements

Pictogram	
Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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Precautionary statement(s)

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
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P391	Collect spillage
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

SECTION 3. Composition information on ingredients

Component	CAS #	EC #	Index #	Weight %
[REDACTED]	[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]			[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]		

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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

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holding the eyelids apart. If the patient does not recover, promptly seek medical attention.

Inhalation: Remove individual to fresh air. If not breathing, give artificial respiration; if breathing is difficult, give oxygen. Seek medical attention.

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.

Unsuitable extinguishing media None

5.2 Special hazards arising from the substance or mixture

Exposure hazards

Nature of decomposition is not known

5.3 Advise for firefighters

Protective equipment and precautions for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

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 container tightly closed in a dry and well-ventilated place. Keep in a dry place.

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

Components with workplace control parameters

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Component	CAS-No.	Value	Control Parameters	Basis
[REDACTED]	[REDACTED]	TWA	1mg/m ³	USA. NIOSH Recommended Exposure Limits
[REDACTED]	[REDACTED]	TWA	0.1mg/m ³	USA. NIOSH Recommended Exposure Limits
		Also see specific listing for [REDACTED] (dusts and mists)		
[REDACTED]	[REDACTED]	[REDACTED]	5mg/m ³	USA. ACGIH Threshold Limit Values (TVL)
	Remarks	Pneumoconiosis, Not classifiable as a human carcinogen		
		TWA	10mg/m ³	USA. OSHA-Table Z-1 Limits for Air Contaminants-1910.1000

8.2 Exposure controls

Appropriate engineering controls

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Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday

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: For nuisance exposures use type P95(US) or type P1(EU EN 143) particulate respirator. For higher level protection use type OV/AG/P99(US) type ABEK-P2(EU EN 143) respirator cartridges. 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.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Solid pellet, Color: medium brown
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
m) Relative density	3.6 g/m ³ at 20°C (68°F)

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n) Water solubility	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

Strong 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

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

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No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification

IARC: 3-Group3: Not classifiable as to its carcinogenicity to humans (Zeolites crystalline aluminosilicates, composed of silica (SiO₂) and Al₂O₃), in various proportions plus various metallic oxides)

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:ZG6800000

Prolonged or repeated exposure can cause: damage to the lungs, cough, difficulty breathing, gastrointestinal disturbance, to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. Ecological information**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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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.

Contaminated packaging: Dispose of as unused product

SECTION 14. Transport information

DOT(US)

Not dangerous goods

IMDG

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UN number: [REDACTED] Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. ([REDACTED])

Marine Pollutant: Yes

IATA

UN number: [REDACTED] Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. ([REDACTED])

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: Contact info@sulfatrap.com for specific SDS information

	CAS-No.	Revision Date
[REDACTED]	[REDACTED]	2007-07-01

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Copper oxide 1317-38-0 2007-07-01

SARA 311/312 Hazards

Acute Health Hazard

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Massachusetts Right To Know Components

	CAS-No.	Revision Date
[REDACTED]	[REDACTED]	2007-03-01

Pennsylvania Right to Know Components

	CAS-No.	Revision Date
[REDACTED]	[REDACTED]	2007-07-01
[REDACTED]	[REDACTED]	2007-07-01
[REDACTED]	[REDACTED]	2007-03-01
[REDACTED]	[REDACTED]	1990-01-01

New Jersey Right to Know Components

	CAS-No.	Revision Date
[REDACTED]	[REDACTED]	2007-07-01
[REDACTED]	[REDACTED]	2007-07-01
[REDACTED]	[REDACTED]	2007-03-01
[REDACTED]	[REDACTED]	1990-01-01

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

Skin Irrit.	Skin irritation
Eye Irrit.	Eye irritation
STOT SE	Specific target organ toxicity-single exposure
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

HMIS Rating

Health Hazard:	2
Chronic Health Hazard	
Flammability:	0

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Taking Sulfur Out of the Equation

Physical Hazard 0

NFPA Rating:

Health Hazard: 2

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.

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