SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. **Product identifier:**
523250 Mercury Indicator Powder

UFI: W614-F03A-J00F-9ECH

1.2. **Relevant identified uses of the substance or mixture and uses advised against:**
Used to convert elemental mercury into an amalgam, which stops dangerous mercury vapours from being emitted. For industrial and professional use.

1.3. **Details of the supplier of the safety data sheet:**

Information about the manufacturer:
FyterTech Nonwovens, LLC
2121-B American Blvd
De Pere, WI 54115
Tel: (800) 615-8699
Web: www.fytertech.com
Email: cs@fytertech.com

1.3.1. Responsible person: Customer Service
E-mail: cs@fytertech.com

1.4. **Emergency telephone number:** (800) 424-9300 (USA); +1 (703) 527-3887 (International and Maritime)

SECTION 2: HAZARDS IDENTIFICATION

2.1. **Classification of the substance or mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP):
Flammable solids, Hazard Category 2 – H228
Acute toxicity (oral), Hazard Category 4 – H302
Skin corrosion/irritation, Hazard Category 2 – H315
Serious eye damage/eye irritation, Hazard Category 1 – H318
Sensitisation - Skin, hazard category 1A – H317
Specific target organ toxicity – Repeated exposure, Hazard Category 1 – H372
Hazardous to the aquatic environment – Acute Hazard, Category 1 – H400
Hazardous to the aquatic environment – Chronic Hazard, Category 2 – H411

Hazard statements:
H228 – Flammable solid.
H302 – Harmful if swallowed.
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H317 – May cause an allergic skin reaction.
H372 – Causes damage to organs (thyroid) through prolonged or repeated exposure (oral).
H400 – Very toxic to aquatic life.
H411 – Toxic to aquatic life with long lasting effects.

2.2. **Label elements:**

Components that define the hazards: Copper iodide

DANGER

Hazard statements:
H228 – Flammable solid.
H302 – Harmful if swallowed.
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H317 – May cause an allergic skin reaction.
H372 – Causes damage to organs (thyroid) through prolonged or repeated exposure (oral).
H410 – Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 – Ground and bond container and receiving equipment.
P241 – Use explosion-proof electrical/ventilating/lighting equipment.
P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
P264 – Wash hands, forearms and face thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P273 – Avoid release to the environment.
P280 – Wear protective gloves, protective clothing, and eye protection.
P301 + **P312** – IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P314 – Get medical advice/attention if you feel unwell.
P302 + **P352** – IF ON SKIN: Wash with plenty of water.
P333 + **P313** – If skin irritation or rash occurs: Get medical advice/attention.
P305 + **P351** + **P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 – Immediately call a POISON CENTER.
P321 – Specific treatment (see supplemental first aid instruction on this label).
P362 + **P364** – Take off contaminated clothing and wash it before reuse.
P370 + **P378** – In case of fire: Use media other than water to extinguish.
P391 – Collect spillage.
P501 – Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. **Other hazards:**
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.
May form combustible dust concentrations in air. Contains Sulphur, may release small amounts of hydrogen sulphide. Hydrogen sulphide is a highly flammable, explosive gas under certain conditions, is a toxic gas, and may be fatal. Gas can accumulate in the headspace of closed containers, use caution when opening sealed containers. Heating the product or containers can cause thermal decomposition of the product and release hydrogen sulphide.
Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.
Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. **Substances:**
Not applicable.

3.2. **Mixtures:**

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
Sulphur* Index number: 016-094-00-1	7704-34-9	231-722-6	-	65	GHS02 GHS07 Warning	Flam. Sol. 2 Skin Irrit. 2 Aquatic Chronic 3	H228 H315 H412
Copper iodide**	7681-65-4	231-674-6	-	25	GHS05 GHS07 GHS08 GHS09 Danger	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1A STOT RE 1 Aquatic Acute 1 M=10 Aquatic Chronic 2	H302 H315 H318 H317 H372 H400 H411
Silicon dioxide (amorphous, precipitated and gel)**	112926-00-8	238-878-4	-	10	-	not classified	-

*: Classification specified by the manufacturer that includes other classification in addition to the classification specified by Regulation (EC) No 1272/2008.
**: Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

Copper iodide (CAS: 7681-65-4):
ATE (oral, rat): 500 mg/kg

For the full text of hazard statements, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. **Description of first aid measures:**
General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

INGESTION:
Measures:
- Rinse mouth.
- Do NOT induce vomiting.
- Obtain medical attention.

INHALATION:
Measures:
- Use proper respiratory protection, move the exposed person to fresh air at once.
- Encourage exposed person to cough, spit out, and blow nose to remove dust.
- Immediately call a poison centre, physician, or emergency medical service.

SKIN CONTACT:
Measures:
- Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes.
- Obtain medical attention if irritation/rash develops or persists.

EYE CONTACT:

Measures:

- Immediately rinse with water for at least 30 minutes.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed:

Symptoms/effects: Skin sensitisation. Causes skin irritation. Causes serious eye damage. Harmful if swallowed. Causes damage to organs (thyroid) through prolonged or repeated exposure (oral).

Symptoms/effects after inhalation: Dust may be harmful or cause irritation. WARNING: if heated or under prolonged storage, irritating and toxic hydrogen sulphide gas may be present. Greater than 15-20ppm continuous exposure can cause mucous membrane and respiratory tract irritation. 50-500 ppm can cause headache, nausea, and dizziness. Continued exposure at these levels can lead to loss of reasoning and balance, difficulty in breathing, fluid in the lungs, and possible loss of consciousness. Greater than 500ppm can cause rapid unconsciousness and death if not promptly revived.

Symptoms/effects after skin contact: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/effects after eye contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/effects after ingestion: This product is harmful orally and can cause adverse health effects or death in significant amounts.

Chronic symptoms : Causes damage to organs (thyroid) through prolonged or repeated exposure (oral). Chronic dermal exposure to sulphur dust has been linked to headache, vertigo, irritation to the airways, breathing difficulties, coordination disturbances, accelerated pulse, hypotonia, cramps and unconsciousness. Frequent dermal contact with sulphur dusts mainly caused skin damage in the form of eczematous or ulcerous changes.

4.3. Indication of any immediate medical attention and special treatment needed:

If exposed or concerned, get medical advice and attention.

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Water spray, fog, carbon dioxide (CO_2), alcohol-resistant foam, dry chemical, or sand.

Use extinguishing media appropriate for surrounding fire.

5.1.2. Unsuitable extinguishing media:

Do not use direct water on the burning/molten product; they could cause a steam explosion and spread of the fire.

Do not use full water jet, because it can disperse and spread fire.

5.2. Special hazards arising from the substance or mixture:

Flammable solid. Combustible dust.

Dust explosion hazard in air.

Reacts violently with strong oxidisers. Increased risk of fire or explosion. Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

In case of fire, smoke and other combustion products (sulphur oxides, hydrogen sulphide, copper oxides, iodine vapour) may be formed; the inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters:

Exercise caution when fighting any chemical fire.

Do not enter fire area without proper protective equipment, including respiratory protection.

Cool the fire affected containers with water spray.

The extinguishing water should not be allowed into drains or water courses.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not breathe fumes from fires or vapours from decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. **For non-emergency personnel:**

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.

Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel.

6.1.2. **For emergency responders:**

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Avoid generating dust. Remove ignition sources.

Equip clean-up crew with proper protection.

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

6.2. Environmental precautions:

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

For containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Avoid generation of dust during clean-up of spills. Methods for cleaning up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Use only non-sparking tools. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Contact competent authorities after a spill.

6.4. Reference to other sections:

For further and detailed information see Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Use appropriate personal protective equipment (PPE).
Observe the pertinent regulations on industrial safety and basic hygiene rules.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse.

Technical measures:

Contains sulphur, if heated or under prolonged storage, may release small amounts of hydrogen sulphide. Hydrogen sulphide is a highly flammable, explosive gas under certain conditions, is a toxic gas, and may be fatal. Gas can accumulate in the headspace of closed containers, use caution when opening sealed containers.
Avoid creating or spreading dust.
Handle empty containers with care because they may still present a hazard.

Precautions against fire and explosion:

Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion.
Heating the product or containers can cause thermal decomposition of the product and release hydrogen sulphide. Flammable solid with a relatively low ignition temperature. Sulphur dust ignites easily in air. Grinding sulphur may produce an explosion hazard. Static discharge may ignite sulphur dust. Sulphur burns with a pale blue flame that may be difficult to see in daylight. Burning sulphur will flow and emits large quantities of sulphur dioxide (SO_2), a toxic, irritating, and suffocating gas that can cause severe lung damage and death. Molten sulphur may evolve hydrogen sulphide (H_2S) - H_2S is a flammable gas and may present an explosion hazard in a confined space. Under certain conditions, H_2S can react to form pyrophoric iron compounds in enclosed spaces such as sulphur pits.
Take precautionary measures against static discharge.
Use only non-sparking tools.
Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Comply with applicable regulations.
Take action to prevent static discharges.
Ground and bond container and receiving equipment.
Use explosion-proof electrical, ventilating, and lighting equipment.
Avoid creating or spreading dust.
Proper grounding procedures to avoid static electricity should be followed.
Product may release hydrogen sulphide: a specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and wastewater, and unintentional releases should be made to help determine controls appropriate to local circumstances.
Store in a dry, cool and well-ventilated place.
Keep container closed when not in use.
Containers which are opened should be properly resealed and kept upright to prevent leakage.
Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Keep in fireproof place.

Incompatible materials: See Section 10.5.
Packaging material: No special prescriptions.

7.3. Specific end use(s):
Used to convert elemental mercury into an amalgam, which stops dangerous mercury vapours from being emitted. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (Commission Directive (EC) No 2000/39 of 8 June 2000):
The components of the mixture are not regulated with exposure limit value.

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. Exposure controls:
In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. **Appropriate engineering controls:**
In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Ensure adequate ventilation, especially in confined areas.
Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.
Ensure all national/local regulations are observed.

8.2.2. **Individual protection measures, such as personal protective equipment:**
Personal protective equipment should be chosen in accordance with Regulation (EU) 2016/425, CEN standards, and in discussion with the supplier of the protective equipment.
Materials for protective clothing: Chemically resistant materials and fabrics.
Do not eat, drink, or smoke when using this product.

1. **Eye/face protection:** Use appropriate protective glasses (EN ISO 16321-1:2022; EN 166).
2. **Skin protection:**
   a. **Hand protection:** Use appropriate protective gloves (EN 374).
   b. **Other:** Use appropriate protective clothing.
3. **Respiratory protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

4. **Thermal hazards:** When working with hot material, use suitable thermally protective clothing.

8.2.3. **Environmental exposure controls:**
Avoid release to the environment.
The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. **Information on basic physical and chemical properties:**

Parameter	Value / Test method / Remarks
1. Physical state	solid powder
2. Colour	tan
3. Odour, odour threshold	chalky
4. Melting point/freezing point	no data*
5. Boiling point or initial boiling point and boiling range	no data*
6. Flammability	flammable solid
7. Lower and upper explosion limit	no data*
8. Flash point	no data*
9. Auto-ignition temperature	no data*
10. Decomposition temperature	>120 °C
11. pH	6.5
12. Kinematic viscosity	not applicable
13. Solubility in water in other solvents	insoluble no data*
14. Partition coefficient n-octanol/water (log value)	no data*
15. Vapour pressure	no data*
16. Density and/or relative density	0.77 g/ml
17. Relative vapour density	no data*
18. Particle characteristics	no data*

9.2. **Other information:**

9.2.1. **Information with regard to physical hazard classes:**
Dust explosion hazard in air.

9.2.2. **Other safety characteristics:**
VOC content: <1 %

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity:**
Reacts violently with strong oxidisers.
Increased risk of fire or explosion.
Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

10.2. **Chemical stability:**
Stable under normal conditions of use. Flammable solid.

10.3. **Possibility of hazardous reactions:**
Hazardous polymerization will not occur.

10.4. **Conditions to avoid:**
Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources. Dust accumulation (to minimize explosion hazard).

10.5. **Incompatible materials:**
Strong acids, strong bases, strong oxidizers. Iron. Copper. Silver. Halogenated compounds. Ammonia. Hydrocarbons.

10.6. **Hazardous decomposition products:**
Thermal decomposition may produce oxides of copper, hydrogen sulphide, sulphur oxides, iodine vapour.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

Acute toxicity: Harmful if swallowed.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Causes damage to organs (thyroid) through prolonged or repeated exposure (oral).
Aspiration hazard: Based on available data, the classification criteria are not met.

11.1.1. **Summaries of the information derived from the test conducted:**

No data available.

11.1.2. **Relevant toxicological properties:**

Information about the product:
ATE (oral): 2000 mg/kg bw
Information about the components:
Sulphur (CAS: 7704-34-9):
Acute toxicity:
LD_{50} (oral, rat): >3000 mg/kg
LD_{50} (dermal, rabbit): >2000 mg/kg
LC_{50} (inhalation, rat): >9.23 mg/l/4 h
Copper iodide (CAS: 7681-65-4):
Acute toxicity:
ATE (oral, rat): 500 mg/kg
Silicon dioxide (CAS: 112926-00-8):
Carcinogenicity: IARC 3

11.1.3. **Information on likely routes of exposure:**

Ingestion, inhalation, skin contact, eye contact.

11.1.4. **Symptoms related to the physical, chemical and toxicological characteristics:**

Symptoms/effects after inhalation: Dust may be harmful or cause irritation. WARNING: if heated or under prolonged storage, irritating and toxic hydrogen sulphide gas may be present. Greater than 15-20ppm continuous exposure can cause mucous membrane and respiratory tract irritation. 50-500 ppm can cause headache, nausea, and dizziness. Continued exposure at these levels can lead to loss of reasoning and balance, difficulty in breathing, fluid in the lungs, and possible loss of consciousness. Greater than 500ppm can cause rapid unconsciousness and death if not promptly revived.
Symptoms/effects after skin contact: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/effects after eye contact: Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/effects after ingestion: This product is harmful orally and can cause adverse health effects or death in significant amounts.
Chronic symptoms : Causes damage to organs (thyroid) through prolonged or repeated exposure (oral). Chronic dermal exposure to sulphur dust has been linked to headache, vertigo, irritation to the airways, breathing difficulties, coordination disturbances, accelerated pulse, hypotonia, cramps and unconsciousness. Frequent dermal contact with sulphur dusts mainly caused skin damage in the form of eczematous or ulcerous changes.

11.1.5. **Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
Causes damage to organs (thyroid) through prolonged or repeated exposure (oral).

11.1.6. **Interactive effects:**

No data available.

11.1.7. **Absence of specific data:**

No information.

11.2. **Information on other hazards:**

Endocrine disrupting properties:
Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.
Other information:
No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. **Toxicity:**
Short-term (acute) aquatic toxicity hazard: Very toxic to aquatic life.
Long-term (chronic) aquatic toxicity hazard: Toxic to aquatic life with long lasting effects.
Information about the components:
Sulphur (CAS: 7704-34-9):
LC_{50} (Brachydanio rerio): 866 mg/l/96 h
EC_{50} (Daphnia magna): 736 mg/l/48 h
LC_{50} (Lepomis macrochirus): 14 mg/l/96 h
Silicon dioxide (CAS: 112926-00-8):
LC_{50} (fish): 10,000 mg/l

12.2. **Persistence and degradability:**
May cause long-term adverse effects in the environment.

12.3. **Bioaccumulative potential:**
No data available.

12.4. **Mobility in soil:**
No data available.

12.5. **Results of PBT and vPvB assessment:**
Based on available data, the product does not contain any PBT or vPvB substances.

12.6. **Endocrine disrupting properties:**
Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

12.7. **Other adverse effects:**
Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. **Waste treatment methods:**
Disposal according to the local regulations.

13.1.1. **Information regarding the disposal of the product:**
Dispose of in accordance with applicable regulations.
Avoid release to the environment. This product is hazardous to the aquatic environment. Keep out of sewers and waterways.
List of Waste Code:
No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.

13.1.2. **Information regarding the disposal of the packaging:**
Dispose of in accordance with applicable regulations.
Handle empty containers with care because residual product is flammable.

13.1.3. **Physical/chemical properties that may affect waste treatment options shall be specified:**
No data available.

13.1.4. **Sewage disposal:**
No data available.

13.1.5. **Special precautions for any recommended waste treatment:**
No data available.

SECTION 14: TRANSPORT INFORMATION

14.1. **UN number or ID number:**
UN 1350

14.2. **UN proper shipping name:**
SULPHUR mixture

14.3. **Transport hazard class(es):**
Class: 4.1

14.4. **Packing group:**
III

14.5. **Environmental hazards:**
Environmentally hazardous: Yes.
Marine pollutant: Yes.

14.6. **Special precautions for user:**
No relevant information available.

14.7. **Maritime transport in bulk according to IMO instruments:**
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:
Product: Entry 40
Sulphur: Entry 40

Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

15.2. **Chemical safety assessment:** Has not been carried out.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:
Changes compared to the previous version: Sections 1.1, 1.2, 1.3, 3.2, 8.2.2 and 16 of the safety data sheet have been modified.
The composition and hazard classification of the mixture did not change compared to the previous version.

This safety data sheet supersedes all previous versions according to Annex II of Regulation (EC) No 1907/2006.

Literature references / data sources:
Previous version of the safety data sheet (30. 09. 2022, version 2)

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification	Method
Flammable solids, Hazard Category 2 – H228	Expert judgment
Acute toxicity (oral), Hazard Category 4 – H302	Based on calculation method
Skin corrosion/irritation, Hazard Category 2 – H315	Based on calculation method
Serious eye damage/eye irritation, Hazard Category 1 – H318	Based on calculation method
Sensitisation - Skin, hazard category 1A – H317	Based on calculation method
Specific target organ toxicity – Repeated exposure, Hazard Category 1 – H372	Based on calculation method
Hazardous to the aquatic environment – Acute Hazard, Category 1 – H400	Based on calculation method
Hazardous to the aquatic environment – Chronic Hazard, Category 2 – H411	Based on calculation method

Relevant hazard statements (code and full text) of Sections 2 and 3:
H228 – Flammable solid.
H302 – Harmful if swallowed.
H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.
H372 – Causes damage to organs (thyroid) through prolonged or repeated exposure (oral).
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H411 – Toxic to aquatic life with long lasting effects.
H412 – Harmful to aquatic life with long lasting effects.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
AOX: Adsorbable organic halides.
BCF: Bioconcentration factor.
BOD: Biological Oxygen Demand.
CAS number: Chemical Abstract Service number.
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
CMR effects: Carcinogenic, mutagenic, reprotoxic effects.
COD: Chemical Oxygen Demand.
CSA: Chemical Safety Assessment.
CSR: Chemical Safety Report.
DNEL: Derived-No-Effect-Level.
ECHA: European Chemical Agency.
EC: European Community.
EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).
EEC: European Economic Community.
EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
EN: European Norm.
EU: European Union.
EuPCS: European Product Categorisation System.
EWC: European Waste Catalogue (replaced by LoW – see below).
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
IATA: International Air Transport Association.
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
IMO: International Maritime Organization.
IMSBC: International Maritime Solid Bulk Cargoes.
IUCLID: International Uniform Chemical Information Database.
IUPAC: International Union of Pure and Applied Chemistry.
Kow: n-Octanol - Water Partition Coefficient.
LC50: Lethal concentration resulting in 50 % mortality.
LD50: Lethal dose resulting in 50 % mortality (median lethal dose).
LoW: List of Waste.
LOEC: Lowest Observed Effect Concentration.
LOEL: Lowest Observed Effect Level.
NOEC: No Observed Effect Concentration.
NOEL: No Observed Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
OECD: Organization for Economic Cooperation and Development.
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic.
PNEC: Predicted No Effect Concentration.
QSAR: Quantitative Structure Activity Relationship.
REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.
SCBA: Self Contained Breathing Apparatus.
SDS: Safety Data Sheet.
STOT: Specific Target Organ Toxicity.
SVHC: Substances of Very High Concern.
UN: United Nations.
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.
VOC: Volatile Organic Compound.
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.
The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.
The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.
Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.
It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

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