SAFETY DATA SHEET

Preparation Date: 6/5/2015 **Revision Date:** 7/20/2017 **Revision Number:** G3

1. IDENTIFICATION

Product identifier

Product code: S1714
Product Name: SULFUR, FLOUR, TECHNICAL

Other means of identification
Synonyms: Sulfur
CAS #: 7704-34-9
RTECS # WS4250000
CI#: Not available

Recommended use of the chemical and restrictions on use
Recommended use: In manufacturing sulfuric acid, carbon disulfide, sulfites, insecticides, plastics, enamels, metal-glass, cements; in vulcanizing rubber; in syntheses of dyes; in making gunpowder, matches; for bleaching wood pulp, straw, wool, silk, felt, linen; in making phosphatic fertilizers; bleaching of dried fruits; fungicide and acaricide; rodent repellent; soil conditioner; nucleating reagent for photographic film; used in cosmetics, such as acne ointments and lotions, and in antidandruff shampoos.
Uses advised against No information available

Supplier:
Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000.
Order Online At: https://www.spectrumchemical.com
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Combustible dust	-
Flammable solids	Category 2

Label elements

Warning

May form combustible dust concentrations in air
Combustible Dust Warning is for OSHA HazCom 2012 classification, but not for GHS Hazard Classifcation:
Flammable solids

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Not available

Precautionary Statements - Prevention
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/.../equipment
Wear protective gloves
Wear eye/face protection
Prevent dust accumulations to minimize explosion hazard

In case of fire: Use CO_2, dry chemical, or foam to extinguish.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Sulfur Flour	7704-34-9	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. In case of shortness of breath, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary. Get medical attention if symptoms appear.

Most important symptoms and effects, both acute and delayed

Symptoms May cause eye/skin irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause irritation of respiratory tract. Coughing and wheezing. Dyspnea (Shortness of breath and difficulty breathing). May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause bronchitis. May cause emphysema.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Sulfur dioxide gas

Hazardous Combustion Products: No information available.

Specific hazards: May be combustible at high temperatures. Avoid generating dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. SULFUR IS POOR CONDUCTOR OF ELECTRICITY & TENDS TO DEVELOP CHARGES OF STATIC ELECTRICITY DURING TRANSPORT OR PROCESSING; STATIC DISCHARGE MAY LEAD TO IGNITIONOF SULFUR DUST. Burns with a pale blue flame that may be difficult to see in daylight. Grinding of sulfur involves high degree of explosive hazard. Vapors given off during melting of Sulfur may contain sufficient Hydrogen Sulfide and Carbon Disulfide to permit ignition of air/vapor mixture on contact with hot surface. Such ignition may result in transmission of flames to molten Sulfur.
Mixture of Barium carbide and sulfur heated at 150 deg. C becomes incandescent.
Mixture of barium chlorate and Sulfur ignites at about 108-111 deg. C.
Calcium carbide reacts incandescently with sulfur vapors at 500 deg. C.
Calcium phosphide reacts with sulfur incandescently at 300 deg. C
Powdered sulfur is spontaneously flammable when mixed with Lampblack or freshly calcined charcoal.
Sulfur in chlorine dioxide takes fire spontaneously and may produce an explosion.
Flowers of sulfur moistened with chromyl chloride ignites spontaneously.
A mixture of lead chlorate and sulfur ignites at about 63-67 deg. C.
A mixture of sulfur and silver chlorate ignites at about 74 deg. C.
When finely divided sulfur is ground with silver oxide, the mixture ignites.
Solid sulfur will ignite when mixed with solid sodium chlorite and moistened.

Lithium carbide burns in vapors of sulfur
Sulfur mixed with mercurous oxide will ignite on light impact.
Powdered nickel heated with sulfur reacts with incandescence.
Sulfur when heated with Thorium reacts vigorously with incandescence.
Mixture of sulfur + niobium oxide + aluminum causes fire.
A mixture of boron and sulfur becomes incandescent 600 deg. C.
Bromine trifluoride and sulfur react incandenscently.
Potassium nitride unites with sulfur when heated, forming a highly flammable mixture.
Rubidium acetylene carbide ignites on contact with molten sulfur. Sulfur + Ammonia may form explosive Sulfur Nitride.
Ammonium Nitrate + Sulfur can be exploded by shock.
Mixtures of Ammonium Perchlorate and Sulfur are impact sensitive.
Interaction between Sulfur and Tetraphenyllead may be explosive.
A mixture of sulfur + stannic iodide + sodium produces a strong explosion on impact.
When sulfur is rubbed with sodium the reaction proceeds with explosive violence.
When a mixture of Sulfur and yellow phosphorous is warmed is causes a vivd combustion and powerful explosion.
Iodine Pentaoxide reacts explosively when warmed with sulfur.
Potassium Perchlorate + Sulfur , used in flashcrackers, can be explosde by moderately strong impact.
COMBINATION OF FINELY DIVIDED SULFUR & FINELY DIVIDED BROMATES (ALSO CHLORATES OR IODATES) OF BARIUM, CALCIUM,MAGNESIUM, POTASSIUM, SODIUM, OR ZINC WILL EXPLODE WITH HEAT, PERCUSSION, & SOMETIMES, LIGHT FRICTION.
A mixture of sulfur and chlorates will explode.
Sulfur + silver bromate produces an explosive reaction in the presence of water.

Special Protective Actions for Firefighters

Specific Methods:

For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Avoid dust formation. Avoid dispersal of dust in the air. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Nonsparking tools should be used.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:
Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Avoid dust formation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. All equipment used when handling the product must be grounded. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from incompatible materials.

Safe Handling Advice
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe vapors/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:
Oxidizing agents
Incompatible with ammonia, ammonium nitrate, ammonium perchlorate, barium carbide, barium chlorate, calcium phosphide, calcium carbide, Lampblack, freshly calcined charcoal, lead chlorate, finely divided bromates (also chlorates, or iodates) of Barium, Magnesium, Calcium, Potassium, Sodium, or Zinc, Calcium Hypchlorite, Silver Bromate, Lithium Carbide, Lead Dioxide, Potassium Chlorate, Sodium Hydride, Thorium,aluminum + niobium oxide, Bromine Pentafluoride, Boron, Bromine trifluoride, calcium, chlorine monoxide gas, chlorine trifluoride, indium, Iodine pentaoxide, Lithium, Nitrogen dioxide, yellow phosphorous, Potassium Nitride, Uranium, Tetraphenyllead.
Copper
Copper alloys
Steel
Damp sulfur will corrode steel

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Sulfur Flour	7704-34-9	None	None	None	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Sulfur Flour	7704-34-9	10 mg/m³ TWA	None	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Sulfur Flour	7704-34-9	None	None

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment) It is recommended that all dust control equipment such as local exhause ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Long sleeved clothing
Chemical resistant apron
Gloves

Respiratory protection: Wear respirator with dust filter. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Appearance: Powder.

Color: Yellow.

Odor:

Taste

Odorless. Pure Sulfur is odorless, but traces of hydrocarbon impurity may impart an oily and/or rotten egg odor.	No information available.	**Formula:** S
Molecular/Formula weight: 32.06	**Flammability:** May form combustible (explosive) dust concentrations in air May be combustible at high temperatures	**Flash point (°C):** 207
Flashpoint (°C/°F): 207 °C/405 °F	**Flash Point Tested according to:** Closed cup	**Autoignition Temperature (°C/°F):** No information available
Lower Explosion Limit (%): Lower Flammable Limit for Sulfur Dust in Air: 35 mg/L Lower Explosive Limit: 35 g/m^3 or 0.17% (v)	**Upper Explosion Limit (%):** 1400 g/m^3 or 6.8% (v)	**Melting point/range(°C/°F):** 112-120 °C/233.6-248 °F
Decomposition temperature(°C/°F): No information available	**Boiling point/range(°C/°F):** 445 °C/833 °F	**Bulk density:** No information available
Density (g/cm3): 2.07	**Specific gravity:** No information available	**pH:** No information available
Vapor pressure @ 20°C (kPa): No information available	**Evaporation rate:** No information available	**Vapor density:** No information available
VOC content (g/L): No information available	**Odor threshold (ppm):** No information available	**Partition coefficient (n-octanol/water):** No information available
Viscosity: No information available	**Miscibility:** No information available	**Solubility:** Insoluble in water Partially soluble in acetone Very slightly soluble in diethyl ether Sparingly soluble in alcohol Solubility in Acetone: 2.65% @25 deg. C. Solubility in Methylene Iodide: 9.1% @ 10 deg. C. Solubility in Chloroform: 1.5% @ 18 deg. C.

10. STABILITY AND REACTIVITY

Reactivity
Reactive with oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Avoid dust formation. Dust may form explosive mixture in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials.

Incompatible Materials: Oxidizing agents

Incompatible with ammonia, ammonium nitrate, ammonium perchlorate, barium carbide, barium chlorate, calcium phosphide, calcium carbide, Lampblack, freshly calcined charcoal, lead chlorate, finely divided bromates (also chlorates, or iodates) of Barium, Magnesium, Calcium, Potassium, Sodium, or Zinc, Calcium Hypchlorite, Silver Bromate, Lithium Carbide, Lead Dioxide, Potassium Chlorate, Sodium Hydride, Thorium,aluminum + niobium oxide, Bromine Pentafluoride, Boron, Bromine trifluoride, calcium, chlorine monoxide gas, chlorine trifluoride, indium, Iodine pentaoxide, Lithium, Nitrogen dioxide, yellow phosphorous, Potassium Nitride, Uranium, Tetraphenyllead.
Copper
Copper alloys
Steel
Damp sulfur will corrode steel

Hazardous decomposition products: Sulfur dioxide gas. Sulfur oxides.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation.

Acute Toxicity

Component Information

Sulfur Flour	
CAS-No.	7704-34-9

LD50/oral/rat = > 3000 mg/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = >2000 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = > 2000 mg/kg Dermal LD50 > 9.23 mg/L Inhalation LC50 > 3000 mg/kg Oral LD50
LC50/inhalation/rat = >9.23 mg/L Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = No infomation available
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = > 3000 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = > 2000 mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = >9.23 mg/l (4-hr.)

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation with trearing, burning, scratchy discomfort, and blurring of vision, and possible eye damage (damage to the lens, formation of opacities, cataracts, and focal chorioretinitis.

Inhalation Breathing sulfur can irrtate the nose, throat, lungs, causing coughing wheezing, sneezing and /or shortness of breath/dyspnea. It may cause inflammation in the respiratory tract resulting in tracheobronchitis, inflammation of nasal mucosa with increased secretions, pulmonary edema, pneumonia,.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Sulfur is not particularly toxic when ingested. Ingestion of 60 grams has been survived. However, if not promptly eliminated, theoretically, ingestion of large doses may lead to hydrogen sulfide production in due to bacterial action in the colon. Small particles are more toxic than large ones. It may affect behavior/central nervous system/peripheral nervous system (headache, vertigo, amnesia, fatigue, seizures, agitation, peripheral neuropathy, coma), and kidneys.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Skin: Prolonged or repeated skin contact may cause allergic contact dermatitis, which is rare.
Ingestion: Prolonged or repeated ingestion may cause metabolic acidosis. It may also affect the liver (increase levels of liver enzymes)
Inhalation: Prolonged or repeated inhalation may cause bronchitis, various bronchopulmonary diseases, including emphysema, bronchiectasis, thiopneumoconiosis (sulfur pneumoconiosis), and asthma. It may also causes changes in the thyroid gland.

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Sulfur Flour	7704-34-9	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Sulfur Flour - 7704-34-9
Freshwater Fish Species Data: 866 mg/L LC50 Brachydanio rerio 96 h static 1 14 mg/L LC50 Lepomis macrochirus 96 h static 1 180 mg/L LC50 Oncorhynchus mykiss 96 h static 1

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Sulfur Flour	7704-34-9	None	None	None	None

14. TRANSPORT INFORMATION

DOT
UN-No: International: UN1350
Domestic: NA1350
Note that Sulfur which is transported domestically is not subject to the requirements of 49 CFR (Transportation) if transported in a non-bulk packaging (less than 400 kg per package) or if formed into a specific shape (for example: prills, granules, pellets, pastilles, or flakes. Refer to 49 CFR 172.102 (c) (1)

	Special Provision #30 and the definition of "Bulk" quantities in 49 CFR 171.8. Spectrum Chemical Mfg. Corp does not ship this material domestically in bulk quantities as defined in 49 CFR. Therefore, shipment of this material is not DOT regulated for transport per special provision #30.
Proper Shipping Name:	Sulfur
Hazard Class:	4.1(For international shipments) 9 (for domestic shipments) For Domestic Shipping in Bulk quantites CLASS 9. (DOT regulation for Domestic shipping only applies only to bulk quantities as defined in 49CFR. See note under "Special Provisions for Transport")
Subsidiary Class	No information available
Packing group:	III
Emergency Response Guide Number	No information available
Marine Pollutant	No data available
DOT RQ (lbs):	No information available
Special Provisions	No Information available
Symbol(s):	No information available
Description:	No information available

TDG (Canada)

UN-No:	UN1350
Proper Shipping Name:	Sulfur
Hazard Class:	4.1
Subsidiary Risk:	No information available
Packing Group:	III
Marine Pollutant	No Information available
Description:	No information available

ADR

UN-No:	UN1350
Proper Shipping Name:	Sulphur
Hazard Class:	4.1
Packing Group:	III
Subsidiary Risk:	No information available

IMO / IMDG

UN-No:	UN1350
Proper Shipping Name:	Sulphur
Hazard Class:	4.1
Subsidiary Risk:	No information available
Packing Group:	III
Marine Pollutant	No information available
EMS:	F-A

RID

UN-No:	UN1350
Proper Shipping Name:	Sulphur
Hazard Class:	4.1
Subsidiary Risk:	No information available
Packing Group:	III

ICAO

UN-No:	UN1350
Proper Shipping Name:	Sulphur
Hazard Class:	4.1
Subsidiary Risk:	No information available
Packing Group:	III

IATA

UN-No: UN1350
Proper Shipping Name: Sulphur
Hazard Class: 4.1
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 3L
Special Provisions No information available

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Sulfur Flour	7704-34-9	Present	Present KE-32688	Present	Not present	Present	Present	Present 231-722-6

U.S. Regulations

Sulfur Flour

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1757
Pennsylvania RTK: Present
California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Sulfur Flour	7704-34-9	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Sulfur Flour	7704-34-9	None	None	None	None	None

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Sulfur Flour	7704-34-9	Not Applicable	Not Applicable

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification .

Information:

Component	WHMIS 2015 Hazard Classification
Sulfur Flour 7704-34-9 (100)	Flammable solids - Category 2: H228 Flammable solid.; Skin corrosion/irritation - Category 2: H315 Causes skin irritation.; Combustible Dust - Category 1: May form combustible dust concentrations in air (if 5% or more by weight of its composition has a particle size <500 µm)

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class
B4 Flammable solid

Components	WHMIS 1988
Sulfur Flour	B4

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Sulfur Flour	7704-34-9	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Sulfur Flour	7704-34-9	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Sulfur Flour	7704-34-9	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Sulfur Flour	7704-34-9	Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation.016-094-00-1

EU - CLP (1272/2008)

R-phrase(s)
R38 - Irritating to skin.

S -phrase(s)
S 2 - Keep out of the reach of children.
S46 - If swallowed, seek medical advice immediately and show this container or label.

Components	CAS-No.	**Classification**	**Concentration Limits:**	**Safety Phrases**
Sulfur Flour	7704-34-9	Xi; R38	No information	S2 S46

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
Xi - Irritant.

16. OTHER INFORMATION

Preparation Date: 6/5/2015
Revision Date: 7/20/2017
Prepared by: Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet