



# SAFETY DATA SHEET TIGER 90CR SULPHUR



## TIGER 90CR SULPHUR

### EMERGENCY PHONE NUMBERS:

Canada – 877-299-3399

CANUTEC (613) 996-6666 (24 hrs)

info@tigersul.com

### Locations

H.J. Baker & Bro, Inc. Corporate Headquarters 2 Corporate Drive, Suite 545 Shelton, CT 06484, USA 203-682-9200 (phone) 203-227-8351 (fax)	TIGER-SUL Products (Canada) Co. P.O. Box 126 275137 Range Road 263 Irricana, AB TOM 1B0, Canada 877-299-3399 403-935-4197 (direct)	TIGER-SUL Products LLC. 25 Byrne Drive Atmore, AL 36502, USA 800-239-3647 251-202-3850 (direct) 251-368-4964 (fax) Mailing Address: P.O. Box 5; Atmore, AL 36504, USA
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[www.tigersul.com](http://www.tigersul.com)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name: Tiger 90CR Sulphur

#### Other means of identification

Synonyms: Sulphur, T-90, elemental sulphur, granular sulphur

#### Recommended use of the chemical and restrictions on use

Recommended Use: Plant nutrient fertilizer

Uses advised against: No information available

#### **Recommended Use**

#### **Uses advised against**

#### **Supplier's details**

##### **Supplier Address**

H.J. Baker & Bro., Inc.  
228 Saugatuck Ave  
Westport, CT 06880  
TEL: 203-682-9200



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## Section II: Hazards Identification

### Classification

Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Combustible Dust	Yes

### GHS Label elements, including precautionary statements

#### Emergency Overview

**Signal Word****Warning****Hazard Statements**

- May be harmful if swallowed
- Harmful in contact with skin
- Causes skin irritation
- May form combustible dust concentrations in air

**Appearance** Greenish-tan**Physical State** Solid (compressed).**Odor** No information available

### **Precautionary Statements**

**Prevention**

- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash face, hands and any exposed skin thoroughly after handling.

**General Advice**

- Specific measures (see supplemental first aid instructions on this label)
- Specific treatment (see supplemental instructions on the administration of antidotes on this label)

**Skin**

- IF ON SKIN: Wash with plenty of soap and water.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.

**Storage**

- None

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

### **Hazard Not Otherwise Classified (HNOC)**

Not applicable

### **Other information**

May cause irritation of respiratory tract. Contact with eyes may cause irritation. Powdered material may form explosive dust-air mixtures.

Toxic to aquatic life.



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## Section III: Composition/Information On Ingredients

### Synonyms

sulphur, T-90, elemental sulfur, granular sulfur

Chemical Name	CAS No.	Weight %
Sulphur	7704-34-9	90
Bentonite	1302-78-9	10

## Section IV: First Aid Measures

### Description of necessary first-aid measures

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

**Skin Contact:** Wash off immediately with soap and plenty of water for at least 15 minutes, removing all contaminated clothes and shoes. Consult a physician.

**Inhalation:** Move to fresh air. Get medical attention if symptoms occur.

**Ingestion:** Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. . Never give anything by mouth to an unconscious person. Consult a physician.

### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects:** Dermal irritation.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician:** Treat symptomatically.

## Section V: Fire-Fighting Measures

### Suitable Extinguishing Media

Water spray or fog is preferred; if water not available use dry chemical, CO<sub>2</sub> or regular foam. Small fires may be smothered with sand.

**Unsuitable Extinguishing Media** Do not scatter spilled material with high pressure water streams.

### Specific Hazards Arising from the Chemical

Avoid dust formation. Dust suspended in air is readily ignited by flames, static electricity or friction spark. Every reasonable step must be taken to minimize dust formation. Sulfur dioxide reacts with water to form sulfuric acid.

### Explosion Data

**Sensitivity to Mechanical Impact:** None

**Sensitivity to Static Discharge:** Yes

### Protective Equipment and Precautions for Firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight from a protected location or safe distance.



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## Section VI. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Ensure adequate ventilation. Avoid dust formation. Do not get in eyes. Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Wash thoroughly after handling.

**Environmental Precautions:** Do not allow material to contaminate ground water system. Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

### Methods and materials for containment and cleaning up

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.  
**Methods for Cleaning Up:** Pick up and transfer to properly labeled containers.

## Section VII: Handling And Storage

### Precautions for safe handling

**Handling:** Ensure adequate ventilation. Do not get in eyes. Avoid dust formation in confined areas. Keep away from open flames, hot surfaces and sources of ignition. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Dust tight castings should be equipped with explosion relief vents. Sparkles electrical equipment is recommended.

### Conditions for safe storage, including any incompatibilities

**Storage:** Keep in a dry, cool and well-ventilated place.  
**Incompatible Products:** Incompatible with oxidizing agents; Acids.

## Section VIII: Exposure Controls / Personal Protection

### Control parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Bentonite 1302-78-9	TWA: 1 mg/m <sup>3</sup> respirable fraction	-	-

### Appropriate engineering controls

**Engineering Measures:** Showers Eyewash stations Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Skin and Safety glasses with side-shields.  
**Body Protection** Respiratory Long sleeved clothing. Impervious gloves.  
**Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
**Hygiene Measures :** Handle in accordance with good industrial hygiene and safety practice. Provide regular cleaning of equipment, work area and clothing.



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## Section IX: Physical And Chemical Properties

### Information on basic physical and chemical properties

Physical State: Solid (compressed)

Appearance: Greenish-tan

Odor: No information available

Odor Threshold: No information available

Property	Values	Remarks/ - Method
pH	No data available	None known
Melting Point/Range	119 °C	None known
Boiling Point/Boiling Range	444 °C	None known
Flash Point	188 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air upper flammability limit lower flammability limit	1400 gm/m <sup>3</sup> 35 gm/m <sup>3</sup>	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	2.07	None known
Water Solubility	Negligible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	190 °C	None known
Decomposition Temperature	No data available	None known
Viscosity	Solid	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	
<u>Other information</u> VOC Content (%)	None	

## Section X: Stability And Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal processing. Fine dust dispersed in air may ignite.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Dust formation. Exposure to air or moisture.

Incompatible materials: Incompatible with oxidizing agents; Acids.

Hazardous decomposition products: Sulphur dioxide.



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## Section XI: Toxicological Information

### Information on likely routes of exposure

#### Product Information

**Inhalation:** May cause irritation of respiratory tract.

**Eye Contact:** May cause irritation.

**Skin Contact:** May be absorbed through the skin in harmful amounts. May cause irritation.

**Ingestion:** May cause irritation to the gastrointestinal tract.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms:** No information available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Sensitization:** No information available.

**Mutagenic Effects:** No information available.

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive Toxicity:** No information available.

**STOT - single exposure:** No information available.

**STOT - repeated exposure:** No information available.

**Target Organ Effects:** Eyes. Skin. Respiratory system.

**Aspiration Hazard:** No information available.

### Numerical measures of toxicity - Product

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral:** 2500 mg/kg; Acute toxicity estimate

**LD50 Dermal:** 1222 mg/kg; Acute toxicity estimate

#### **Inhalation**

**dust/mist:** 6.9 mg/L; Acute toxicity estimate

## Section XII: Ecological Information

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sulphur 7704-34-9	-	LC50: 866 mg/L Brachydanio rerio 96 h static LC50: <14 mg/L Lepomis macrochirus 96 h static LC50: >180 mg/L Oncorhynchus mykiss 96 h static	-	-
Bentonite 1302-78-9	-	LC50 96 h: 8.0-19.0 g/L (Salmo gairdneri) LC50 96 h: = 19000 mg/L static (Oncorhynchus mykiss)	-	-

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.



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## Section XIII: Disposal Considerations

**Waste Disposal Methods:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging:** Do not re-use empty containers.

## Section XIV: Transport Information

**DOT:** Not regulated

## Section XV: Regulatory Information

### International Inventories

**TSCA** All components of this product are either listed or are exempt on the TSCA inventory.

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

**Acute Health Hazard:** Yes      **Fire Hazard:** Yes      **Reactive Hazard:** No

**Chronic Health Hazard:** No      **Sudden Release of Pressure Hazard:** No

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Sulphur	X	X	X		X

### U.S. EPA Label Information

**EPA Pesticide Registration Number:**

Not applicable



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## Section XVI: Other Information

NFPA	Health Hazard 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 1	Physical Hazard 0	Personal Protection X

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### General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Resources include tests, research data, and reports believed to be credible. No guarantee is made as to accuracy or completeness. Therefore, the user assumes all risks involving the use of the product.

End of Safety Data Sheet

