



Sulphur mills limited

Technology leaders in advanced formulations
(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA
Tel.: +91-22-4345 2222 •Fax: +91-22-4345 2245 •E-mail: sml@sulphurmills.com
Website:www.sulphurmills.com •CIN: U24110MH1960PLC011752

SAFETY DATA SHEET

According to art. 31 of Reg. (EC) no. 1907/2006 REACH

Document compiled on: 17 April 2020

Revision No. 03

Section1 Identification of the substance or mixture and suppliers	
1.1. Product identifier	
Name	Sulphur 800 g/L SC
Other Name	Koala SC
CAS No.	7704-34-9
1.2 Relevant identified uses of the substance or mixture and uses advised against	
	Plant protection - agricultural pesticide used as fungicide
1.3 Details of the Manufacturer/ supplier of the safety data sheet	
	Sulphur Mills Limited 604/605, 6th Floor, 349-Business Point Western Express Highway, Andheri (East), Mumbai - 400 069,India Tel.: + 91 22 – 4345 2222 Fax: +91 22 4345/2245 Email: sml@sulphurmills.com
1.4 Emergency Telephone Number	
	Tel.: + 91 22 – 4345 2222



Sulphur mills limited

Technology leaders in advanced formulations

(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA

Tel.: +91-22-4345 2222 • Fax: +91-22-4345 2245 • E-mail: sml@sulphurmills.com

Website: www.sulphurmills.com • CIN: U24110MH1960PLC011752

Section 2 Hazard Identification

2.1 Classification of the substance or mixture

Physico-chemical dangers

The substance has no classification based on chemical-physical hazards provided for in Annex I of Regulation (EC) no. 1272/2008 (CLP) and subsequent amendments

Hazard classification and indications:

Dangerous if swallowed, irritates the eyes, skin and respiratory system.

2.2 Label elements

Hazard labeling pursuant to Regulation (EC) No. 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms



Signal word Warning

Precautionary advice:

P101 If you need to consult a doctor, have the product container or label available

P102 Keep out of reach of children.

P264 Wash thoroughly after handling

P280 Wear protective gloves / protective clothing / face

P302 + P352 IN CASE OF SKIN CONTACT: wash with plenty of water and soap

P321 Specific treatment (see ... on this label).

P332 + P313 IF SKIN irritation occurs: Get medical attention.

P362 Take off contaminated clothing and wash it before reuse

P501 Dispose of contents / container in accordance with local / regional / national / international regulation

2.3 Other Dangers

The substance does not meet the PBT / vPvB classification criteria according to Annex XIII of Regulation (EC) 1907/2006



Sulphur mills limited

Technology leaders in advanced formulations
(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA
Tel.: +91-22-4345 2222 • Fax: +91-22-4345 2245 • E-mail: sml@sulphurmills.com
Website: www.sulphurmills.com • CIN: U24110MH1960PLC011752

Section 3 Composition and information on ingredients

Chemical characterization

Description: Mixture of substances listed below with non hazardous additions.

component	Cas No EC No	Classification	Concentration
Sulphur	CAS: 7704-34-9 EC : 231-722-6	Skin irri.2 H315	800 g/l
Inert Ingredients	Trade secret	---	200 g/l

Section 4 First aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Take him in fresh air. if person is unconscious consult a doctor.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: wash affected zones with plenty of water for at least 15 minutes.

After swallowing: If symptoms persist consult doctor.

Information for doctor: Treat symptomatically and supportively.

The following symptoms may occur:

Early symptoms may be any combination of nausea, vomiting and irritation of eyes and bronchial tube if inhaled

Antidotes: No antidotes, Treat symptomatically.



Sulphur mills limited

Technology leaders in advanced formulations

(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA

Tel.: +91-22-4345 2222 • Fax: +91-22-4345 2245 • E-mail: sml@sulphurmills.com

Website: www.sulphurmills.com • CIN: U24110MH1960PLC011752

Section 5 Fire fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases:

Produces toxic sulfur dioxide gas.

Protective equipment:

Wear suitable protective clothing to avoid contact with skin.

Wear self-contained respiratory protective device.

Additional information Burns with a pale blue flame that may be difficult to see in daylight.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

wear protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Prevent the product from ending up in sewers, rivers or other bodies of water by appropriately stemming it spill; if this happens, immediately inform the competent local authorities.

6.3 Methods and materials for containment and cleaning up

Stop the leak if it can be done safely, collect the spilled material by mechanical means suitable and dispose of it in compliance with the regulations in force.

Methods to clean up the spill: cover the product with inert material (sand or earth) and remove all the product from the area. Collect inside closed, clean, dry and clear containers

identified and remove them from the area. Do not use water jets to clean the contaminated area in order to prevent product shedding phenomena with consequent risk of environmental contamination



Sulphur mills limited

Technology leaders in advanced formulations

(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA

Tel.: +91-22-4345 2222 •Fax: +91-22-4345 2245 •E-mail: sml@sulphurmills.com

Website:www.sulphurmills.com •CIN: U24110MH1960PLC011752

Section 7 Handling and Storage

Handling:

Information for safe handling: Prevent aerosol formation.

Protective information in case of fire and explosion:

Protect from electrostatic charges.

Keep away from sources of ignition, do not smoke.

Storage:

Requirements for storage rooms and vessels:

keep away from oxidizing materials such as chlorates, nitrates.

Mixtures containing sulfur can react with metals such as silver and copper, resulting in discoloration of the metal.

Information on mixed storage in a common warehouse:

Do not store together with incompatible materials and food products.

Further information on storage conditions: Store in a cool, dry and well-ventilated place.

Specific applications Used as a fungicide

Section 8 Exposure controls/personal protections

More information on the structure of technical systems: no further data; see point 7.

Ingredients whose limit values must be monitored in the workplace:

The product does not contain relevant quantities of substances whose limit values must be monitored in the workplace.

Personal protective equipment:

General protection and hygiene measures:

Keep away from food, drink and pet food. immediately remove contaminated clothing

Wash hands before breaks and at the end of work. avoid contact with eyes and skin.

Respiratory protection: suitable respiratory protection device is recommended

Hand protection:

Protective gloves The glove material has to be impermeable and resistant to the product / the substance / the mixture.

Glove material: The selection of the suitable gloves does not only depend on the material but also on other quality characteristics which vary from one manufacturer to another. Since the product is a mixture of several substances, the strength of the material gloves cannot be calculated in advance and must be tested before use.

Breakthrough time of the glove material

The exact breakthrough time must be determined and observed by the manufacturer of the protective gloves.

Eye protection: Safety glasses

Body protection: Protective work clothing



Sulphur mills limited

Technology leaders in advanced formulations

(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA

Tel.: +91-22-4345 2222 •Fax: +91-22-4345 2245 •E-mail: sml@sulphurmills.com

Website:www.sulphurmills.com •CIN: U24110MH1960PLC011752

Section9 Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Appearance:	yellow viscous liquid
Odor:	Characteristic
pH:	Not determined
Melting point:	Not applicable
boiling range:	Not applicable
Flash point:	Non flammable
Ignition temperature:	Not lower than 400 ° C
Self-ignition temperature:	Non self-priming product
Vapor pressure:	Not available
Relative density:	1.4288
Solubility in water:	Forms suspension
Solubility in other solvents:	Not determined
Partition coefficient n-octanol / water:	Not available
Explosive properties:	The product does not present a risk of explosion
Oxidizing properties:	Not oxidizing

Section10 Stability and reactivity

10.1. Reactivity

The normal precautions in the use of chemicals must be observed.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reacts violently in the presence of strong oxidants.

10.4 Materials to avoid:

Incompatible with oxidizing materials

10.5 Hazardous decomposition products:

On combustion, forms toxic and corrosive gases of sulfur oxides, including sulfur dioxide



Sulphur mills limited

Technology leaders in advanced formulations
(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA
Tel.: +91-22-4345 2222 •Fax: +91-22-4345 2245 •E-mail: sml@sulphurmills.com
Website:www.sulphurmills.com •CIN: U24110MH1960PLC011752

Section 11 Toxicological information

Acute toxicity: LD₅₀ / LC₅₀ values relevant for classification:

Oral	LD 50	> 2000 mg / kg (rat)
Dermal	LD 50	>2000 mg/kg (rat)
Inhalation	LC 50 (4 hrsore)	> 1,706 mg/L (rat)

Primary irritant effect:

on the skin: non-irritating to the skin

on the eyes: not irritating to the eyes

sensitization: no known sensitizing effects

More toxicological information:

Repeated exposure toxicity

Species: rat

Exposure period: 100 days

NOAEL: 56 mg / kg body weight

Result: no systemic effects were found.

CMR effects (carcinogenic, mutagenic and toxic for reproduction) Mutagenicity:

Carcinogenicity: Not classified as a carcinogen

Toxicity for reproduction: Not classified as toxic for reproduction

Mutagenicity: The substance was found not to be mutagenic according to the Ames test.

Section 12: Ecological information

Virtually non-toxic to humans and animals

Toxic effects on the environment:

LD50 Bird	> 2000 g / kg di body weight (Japanese quail) (Sulphur powder)
LC50 (96h) Fish	> 100 mg / L (nominal) (D. rerio) (Sulphur 800 SC)
EC50 (48h) Daphnia	> 100 mg / L (nominal) (daphnia) (Sulphur 800 SC)
EC50 (72h) Algae	> 100 mg / L (nominal) (green algae) (Sulphur 800 SC)
Honeybee	> 100 mg / L (nominal) (green algae) (Sulphur 800 SC)
Oral & contact LD50 (48h)	> 100 µg formulation/bee (Sulphur Dust)



Sulphur mills limited

Technology leaders in advanced formulations

(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA

Tel.: +91-22-4345 2222 •Fax: +91-22-4345 2245 •E-mail: sml@sulphurmills.com

Website:www.sulphurmills.com •CIN: U24110MH1960PLC011752

Section 13 Disposal considerations

Product: Recommendation Do not dispose with household waste. Do not enter the sewer system. European waste catalog 20 01 19 * pesticides

Uncleaned packaging: Recommendations: dispose of in accordance with administrative regulations

Section 14 Transport information

Transport must be carried out by vehicles equipped and / or authorized to transport dangerous goods according to the requirements of the current edition of the A.D.R. and the applicable national provisions.

The transport must be carried out in the original packaging and, in any case, in packaging that is made up of materials that cannot be attacked by the contents and are not likely to generate dangerous reactions with this.

The persons in charge of loading and unloading dangerous goods must have received appropriate training on the risks presented by the preparation and on any procedures to be adopted in the event of emergency situations.

IMDG - Not dangerous

ADR - Not dangerous

IATA - Not dangerous

Section 15. Regulatory Information

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms Please refer section 2

Signal word : Please refer section 2

Hazard statements Please refer section 2

Precautionary statements Please refer section 2

Chemical safety Assessment:

Restrictions on use pursuant to Titus VIII and Annex XVI I of the REACH regulation (C E n.1907 / 200 6 and subsequent amendments):

Substance not subject to restriction under Title VIII (Annex XVII, point 3)

Substance of Very High Concern (SVHC) according to REACH, Article 57

The substance is not listed as SVHC



Sulphur mills limited

Technology leaders in advanced formulations

(An ISO 9001-2015 Company)



604/605, 349 – Business Point, Western Express Highway, Andheri (East), Mumbai – 400 069. INDIA

Tel.: +91-22-4345 2222 • Fax: +91-22-4345 2245 • E-mail: sml@sulphurmills.com

Website: www.sulphurmills.com • CIN: U24110MH1960PLC011752

Section 16. Other information

Bibliography:

Regulation (EC) 1907/2006 of the European Parliament (REACH) and subsequent amendments

Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent amendments

Regulation (EC) 830/2015 of the European Commission.

LEGEND:

ADR: European agreement for the transport of dangerous goods by road

CAS NUMBER: Number of the Chemical Abstract Service

EC50: Concentration affecting 50% of the population under test

CLP: Regulation EC 1272/2008

SKIN: substance with risk of skin absorption.

EmS: Emergency Schedule

GHS: Globally Harmonized System for Classification and Labeling of Chemicals

IATA: Air Transport Association

IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions of the "International Civil Aviation Organization" (ICAO)

IC50: Immobilization concentration of 50% of the population subject to testing

IMDG: International maritime code for the transport of dangerous goods

IMO: International Maritime Organization

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

LOAEC: Lowest Observable Adverse Effect Concentration

NOAEC: No Observed Adverse Effect Concentration

NOAEL: No observed adverse effect level

PBT: Persistent, bioaccumulating and toxic according to REACH

REACH: Regulation EC 1907/2006

RID: Regulation for the international transport of dangerous goods by train

vPvB: Very persistent and very bioaccumulating according to REACH