
SECTION 1: PRODUCT AND COMPANY

Product Name : **Sulphur 80 WG**
Supplier : Quimetal Industrial S.A.
Address : Los Yacimientos 1301 Maipú, Santiago - Chile
Emergency Telephone : (56-2) 2381 7000
Fax : (56-2) 2381 7190
e-mail: www.quimetal.cl

In case of poisoning or accidental ingestion call CITUC Toxicology, Information Centre Toxicology of Clinical Hospital of the Universidad Católica Chile, phone (56-2)-63538 00

SECTION 2: COMPOSITION / INGREDIENTS

Chemical Name (IUPAC): Sulphur
Chemical Formula : S
Synonyms : No information available.
CAS N° : 7704-34-9
UN N° : Not applicable.

SECTION 3: HAZARD IDENTIFICATION

Mark on the label: Not required NCh 382 Of2004, Appendix E, Special Provision 242.

Classification of chemical risks:

NFPA. Health: 1 Flammability: 1 Reactivity: 1
Toxicological classification Res. SAG 2196: IV

a) Endangers the health of individuals

Effects of acute exposure (for once): The material can irritate the eyes, skin and respiratory system.

Inhalation: May cause irritation to the nose, throat and respiratory tract.

Skin contact: May cause irritation.

Eye Contact: May cause irritation and possible conjunctivitis.

Ingestion: May cause nausea and vomiting.

Effects of chronic exposure (long term): Prolonged or repeated skin contact may cause dermatitis. Can affect the respiratory tract, leading to chronic bronchitis.

Conditions will be aggravated by exposure of the product: People with respiratory problems and asthma should not be exposed to the product.

b) Hazards to the environment: None, if applied at recommended.

c) Special Hazards of Product: As dust can form explosive mixtures in the air with an ignition source.

SECTION 4: FIRST AID MEASURES

In case of accidental contact with the product, proceed in accordance with:

Inhalation: Remove to fresh air. Seek medical attention immediately.

Skin contact: Remove contaminated clothing and shoes. Wash the affected area with soap and water. Seek medical attention if you have trouble.

Eye contact: Flush eyes with water for at least 15 minutes. Lift and separate the eyelids to make sure you remove the product. Seek medical attention.

Ingestion: Clean mouth with water and if you are fully conscious give plenty of water. Seek medical attention immediately.

Notes to physician: Medical treatment should be symptomatic.

SECTION 5: MEASURES FOR FIRE FIGHTING

Extinguishing media: Use water fog, foam, dry chemical, to localized outbreaks of fire use carbon dioxide or sand.
Special procedures for fire fighting: Do not use water jet. Take precautions by the emission of toxic gases (sulfur dioxide). No dust clouds disperse as.
Personal protective equipment for fire fighting: Wear suitable protective clothing and breathing apparatus in positive pressure.

SECTION 6: MEASURES TO CONTROL SPILLS AND LEAKS

Emergency measures to be taken if material is spilled: Isolate and ventilate the area. Turn off all sources of ignition. Prevent the spill from spreading. Do not generate dust.
Personal protective equipment to tackle the emergency: Wear protective clothing, goggles and mask with dust filter.
Precautions to avoid damage to the environment: Avoid runoff into sewers and other waterways, land, vegetation.
Methods for cleaning up: This operation must be performed only by trained personnel. Pick up with suitable tools without raising dust, place in appropriate containers, labeled and close to final destination.
Waste Disposal Method: Should be sent to authorized facilities to treat waste.

SECTION 7: HANDLING AND STORAGE

Technical Recommendations: Avoid contact with eyes, skin and clothing. Do not inhale. Handle only in well ventilated.
Precautions: Do not eat or drink while handling the product, change clothes once the working day.
Recommendations on safe handling specific: Avoid dust generation. Do not expose to high temperatures and humidity.
Storage conditions: Store in a safe, cool and dry, having good ventilation at all times.
Recommended containers and appropriate by the provider: Use original containers that will maintain the product isolated from the environment and humidity.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Measures to reduce the possibility of exposure: Do not inhale. Avoid contact with eyes, skin and clothing. Provide shower and eyewash in work zones in easily accessible locations.
Permissible limits weighted (LLP) and absolute (LPA): None according to national legislation D.S. No. 594.
Respiratory Protection: If there are problems with dust, use approved filter mask.
Protective gloves: Wear impervious gloves
Eye protection: Wear eye protection to guard against dust, or as the case full-face mask.
Other Protective Equipment: Wear appropriate clothing according to the emergency.
Ventilation: There should be a place where it is vented at all times, whether natural or forced.
Hygiene measures: Keep away from food and condiments. Wash hands before breaks and at end of work. No smoking, eating, drinking in work areas. Save your work clothes separately.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State | : Solid. |
| Appearance and color | : light brown microgranules. |
| Concentration | : 80% Sulfur. |
| pH | : 8.0 to 9.5, 10% suspension, 20 ° C. |
| Decomposition Temperature | : No information available. |
| Flash Point | : Not available. |
| Flammable Limits | : Not available. |
| Autoignition Temperature | : No information available. |
| Fire or explosion hazards | : None in its original presentation as granule. |
| Vapor pressure at 20 ° C | : No information available. |
| Vapor Density | : No information available. |
| Bulk density at 20 ° C | : 0.84 to 0.89 g / cc |
| Solubility in water and other solvents | : Dispersible in Water. |

SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable when stored and handled according to the recommendations given.

Conditions to Avoid: Excessive heat, ignition sources, moisture.

Incompatibility (Materials to Avoid): Oxidizing agents such as peroxides, nitrates, chlorine, permanganate, alkali metals, ammonia, iron, steel, zinc, nickel, phosphorus, carbides, ammonium nitrate and Brass.

Hazardous Decomposition Products: Sulfur Dioxide.

Hazardous combustion products: Sulfur Oxides, Sulfur Dioxide.

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Short-term toxicity: Irritating to eyes, skin and respiratory, oral rat LD50 => 2.000 mg / kg, rat dermal LD50 => 2.000 mg / kg

Long term toxicity: Not reported to cause cancer risk, are not teratogenic, no reproductive effects and is not mutagenic.

Local or systemic effects: Not available.

Allergic sensitization: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Instability: The product does not react quickly in water or air in the absence of initiators, but is highly corrosive when wet due to the formation of acids.

Persistence / Degradability: The elemental sulfur is converted to sulfate in soil by the action of autotrophic bacteria, in the vegetation is slowly oxidized by air, and participates in microbial reduction reactions.

Bio-accumulation: It is not bio-accumulative.

Effects on the Environment: Do not discharge into waterways, sewers, drains.

SECTION 13: DISPOSAL CONSIDERATIONS

Recommended methods to dispose of the substance, waste, waste: Provide substance residues and wastes in places approved by the authority for waste disposal.

Recommended methods for packaging disposal / contaminated packaging: Dispose of packaging according to existing local legislation. Do not reuse empty containers may contain residues.

SECTION 14: TRANSPORT INFORMATION

Land by road or rail: Not regulated during transport. SULFUR GRANULES GE III.
By sea: Not regulated during transport. SULFUR GRANULES GE III.
By air: Not regulated during transport. SULFUR GRANULES GE III.
Waterway-Lake: Not regulated during transport. SULFUR GRANULES GE III.
Distinctive applicable NCh 2190: No information available.
UN Number: Not available.

SECTION 15: REGULATORY INFORMATION

International regulatory applies: IMDG, IATA, NU, IARC.
National Standards: Transport Of.93 NCh 2190 "hazardous substance" Badges for hazard identification, hazardous substances NCh Of.89 382 - Terminology and general classification, DS 298 and 198 Transportation of dangerous cargoes, DS No. 594 Regulations on Sanitary Conditions and Environmental Conditions in the workplace. 2245 NCh Of.2003 Chemicals - Safety Data Sheet - Requirements, 2000, Resolution 2196 SAG.
Mark on the label: SULFUR GRANULES GE III.

SECTION 16: OTHER INFORMATION

The information contained in this fact sheet were obtained from reliable sources. The views expressed in this form are those of trained professionals. Information provided in is known today on the subject. Considering that the use of this information and the products is beyond the control of the supplier, the company not liable for this concept. Determine the condition of safe use of the product is the user's obligation.


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