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P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P280 Wear protective gloves/protective coloning/eye protection/face protection. P240 Ground/bond container and receiving equipment. P231 Specific treatment (see on this label). P332+P31 if skin initiation occurs: Get medical advice/attention. WHMIS classification B4 - Flammable solid D28 - Toxic material causing other toxic effects Image: Image solid D28 - Toxic material causing other toxic effects Image: Image solid D28 - Toxic materials identification System HMIS rating's (scale 0.4) (Hazardous Materials Identification System) Image: Image solid	H228 Flammable solid. H315 Causes skin irritation.
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Product name: Sulfur powder, precipitated

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Storage	
Information about storage in one common storage facility:	
Store away from oxidizing agents. Store away from halocarbons.	
Do not store with interhalogens. Further information about storage conditions:	
For the store with internatogens. Further information about storage conditions: Keep container tightly sealed. Store in cool. dry conditions in well sealed containers	
Store in cool, dry cońditions in well sealed containers. Specific end use(s) No further relevant information available.	
8 Exposure controls/personal protection	
Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.	
Control parameters	
Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.	
Additional information: No data	
Exposure controls Personal protective equipment	
Conoral protoctive and hygionic measures	
Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately.	
Wash hands before breaks and at the end of work.	
Mond contact with the eyes and skin. Maintain an ergonomically appropriate working environment.	
Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use:	
Use a respirator with type N95 (USA) or P2 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determ	
Profection of hands:	nine if air-
Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.	ine if air-
The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. (C	nine if air-
Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type N95 (USA) or P2 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determ purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves	

Product name: Sulfur powder, precipitated

Material of gloves Nitrile rubber, NBR		(Contd. of page 2)		
Penetration time of glove material (in	minutes) 480			
Glove thickness: 0.11 mm Eye protection: Safety glasses with sid Body protection: Protective work clothi	e shields / NIOSH (US) or EN 166(EU)			
	·			
9 Physical and chemical properties Information on basic physical and ch				
General Information Appearance:				
Form: Odor:	Various forms (powder/flake/crystalline/beads, etc.) Weak			
Odor threshold: pH-value:	Not determined. Not applicable.			
Change in condition				
Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	115.21 °C (239 °F) 444.6 °C (832 °F) Not determined			
Flash point: Flammability (solid, gaseous)	>999 °C (>1830 °F) Highly flammable. 248 °C (478 °F)			
Ignition temperature: Decomposition temperature:	248 °C (478 °F) Not determined			
Auto igniting:	Not determined. Not determined.			
Danger of explosion: Explosion limits: Lower:	3.3 Vol %			
Upper:	46 Vol %			
Vapor pressure: Density at 20 °C (68 °F):	Not applicable. 2.07 g/cm³ (17.274 lbs/gal)			
Relative density Vapor density	Not determined. Not applicable.			
Evaporation rate Solubility in / Miscibility with	Not applicable.			
Water: Partition coefficient (n-octanol/water)	Insoluble : Not determined.			
Viscosity: dynamic:	Not applicable.			
kinematic: Other information	Not applicable. No further relevant information available.			
Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Halocarbons Interhalogens Hazardous decomposition products: Sulfur oxides (SOx) Hydrogen sulfide				
11 Toxicological information				
Information on toxicological effects Acute toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for components in this product. LD/LC50 values that are relevant for classification: Inhalative LC50 1660 mg/m3 (mam)				
Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.				
Reproductive toxicity: No effects known.				
Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known.				
Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.				
12 Ecological information				
Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper governmental permits. Avoid transfer into the environment. Results of PBT and vPvB assessment				
PBT: Not applicable.	•	(Contd. on page 4) USA –		

Product name: Sulfur powder, precipitated

vPvB: Not applicable.	(Contd. of page 3)
Other adverse effects No further relevant information available	ble.
13 Disposal considerations	
Waste treatment methods Recommendation Consult state, local or national regulations	s to ensure proper disposal
Uncleaned packagings	
Recommendation: Disposal must be made according to offic	cial regulations.
14 Transport information	
UN-Number DOT, IMDG, IATA	UN1350
UN proper shipping name DOT	Sulfur
ADR	1350 Sulfur SULPHUR
IMDG, IATA Transport hazard class(es)	SULPHUR
DOT	
₩.	
Class Label ADR	4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1
Class	4.1 (F3) Flammable solids, self-reactive substances and solid desensitised explosives
Label IMDG, IATA	4.1
Class Label	4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1
Packing group DOT, ADR, IMDG, IATA	<i>III</i>
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Flammable solids, self-reactive substances and solid desensitised
EMS Number:	explosives F-A,S-G
Stowage Category Stowage Code	A SW1 Protected from sources of heat.
Segregation Code	SW1 Protected from sources of heat. SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9. SG17 Stow "separated from" class 5.1
Transport in bulk according to Annex II of MARPOL73/78	
Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: 25 kg
	On cargo aircraft only: 100 kg No
Marine Pollutant (DOT): IMDG	IVU
Limited quantities (LQ) Excepted quantities (EQ)	5 kg Code: E1
LAUGHIEU quantities (LW)	Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	Maximum net quantity per outer packaging: 1000 g UN 1350 SULFUR, 4.1, III
15 Degulatory information	

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms



 Signal word Danger

 Hazard statements

 H228 Flammable solid.

 H315 Causes skin irritation.

 Precautionary statements

 P210
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

 P280
 Wear protective gloves/protective clothing/eye protection/face protection.

 P240
 Ground/bond container and receiving equipment.

 P241
 Use explosion-proof electrical/ventilating/lighting/equipment.

 P321
 Specific treatment (see on this label).

 P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. on page 5) USA

(Contd. of page 4)

Product name: Sulfur powder, precipitated

National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Domestic Substances List (DSL).

All components of this product are listed on the Canadian Domestic Substance's List' (DSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. market and use must be observed.

Substance is not listed

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Information of this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.
 Department issuing SDS: Global Marketing Department Date of preparation/Revision: Print date, revision date and version number are in the header of each page.
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association ENECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA)
 WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern VrVB: very Persistent and Very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA)
 NTP: National Toxicology Program (USA)
 IAR: Animato Toxicology Program (USA)
 IAR: Animato and Protection Agency (USA)
 Flammable solids – Category 1
 Skin Imt. 2: Skin corrosion/irritation – Category 2

USA