



SAFETY DATA SHEET

DISPER-SUL 90% Pastille
Jun 03, 2015

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID : DISPER-SUL 90% Pastille
Product Name : DISPER-SUL 90% Pastille
Revision Date : Jun 03, 2015
Version: 1.0
Manufacturer's Name : Martin Resources
Address : PO Box 191 Kilgore, TX, US, 75663
Emergency Phone : CHEMTREC: 1-800-424-9300
Information Phone : 903-983-6200
Fax :
Product/Recommended Uses: Fertilizer

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Flammable Solid - Category 2
Skin Corrosion/Irritation - Category 2
Eye Damage / Irritation - Category 2/2A
Acute Toxicity - Category 5 (Inhalation)

Pictograms:



Signal Word:

Warning.

Hazard Statements:

Causes skin irritation.
Causes serious eye irritation.
Flammable solid.
May be harmful if inhaled.

Precautionary Statements - General:

Read label before use.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.

Precautionary Statements - Prevention:

Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.

Precautionary Statements - Response:

Specific treatment (see Section 4 First Aid Measures on this SDS).

If skin irritation occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

In case of fire: Use dry chemical, foam, carbon dioxide to extinguish.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

If eye irritation persists get medical advice/attention.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

Precautionary Statements - Storage:

No specific statements.

Precautionary Statements - Disposal:

Dispose of contents/container to disposal recycling center.

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% by Weight
0007704-34-9	SULFUR	78% - 99%
0001302-78-9	BENTONITE	0% - 12%

SECTION 4) FIRST-AID MEASURES

Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned. Eliminate all ignition sources if safe to do so.

Skin Contact:

Take off immediately contaminated clothing. Rinse skin with water/shower (and mild soap) for 15-20 minutes or until product is removed. Store contaminated clothing under water and wash before re-use, or discard.

Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion:

Rinse mouth. If you feel unwell or if concerned: Get medical advice/attention. Do not induce vomiting without advice from poison control center.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use dry chemical, foam or carbon dioxide to extinguish fire.

Unsuitable Extinguishing Media:

Use of water to control fires associated with molten sulfur can be dangerous because the product is kept heated above the boiling point of water. Water will turn to steam rapidly and too much water can cause splattering of the material into explosive type discharges.

Specific Hazards in Case of Fire:

Do not mix water with hot sulfur.

Molten sulfur can release hydrogen sulfide, a highly toxic gas.

Fire may produce irritating and/or toxic gases.

Easily ignitable, combustible solid. Dust suspended in air ignites easily and can cause an explosion.

Hazardous in contact with oxidizing materials, forming explosive mixtures.

Sulfur burns with a pale blue flame that may be difficult to see in daylight.

Special protective actions:

Care should always be exercised in dust/mist areas.

Structural firefighters' protective clothing will only provide limited protection. Wear protective pressure self-contained breathing apparatus (SCBA).

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material.
Stay upwind; keep out of low areas.
Flammable/combustible material.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Small/Large spill: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. If liquid spill, take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Prevent entry into waterways, sewers, basements or confined areas.
Collect product and contaminated soil and water.

Recommended equipment:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Personal Precautions:

Powders, dusts, shavings, borings, turnings or cuttings may explode or burn with explosive violence. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Use explosive proof equipment.
Avoid inhalation of dust and contact with skin and eyes.
Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.
This product is a fertilizer, and if discarded to waterways, may promote algae growth/eutrophication.

SECTION 7) HANDLING AND STORAGE

General:

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

Storage Room Requirements:

Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibilities.

Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Use explosion-proof ventilation equipment.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection:

Dust-proof goggles or safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

Skin protection:

Avoid skin contact. Wear gloves impervious to conditions of use such as neoprene or nitrile gloves. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection.

Respiratory protection:

If exposure limits are exceeded, NIOSH approved respiratory protection should be used. For higher concentrations, unknown concentrations, use a NIOSH approved air-supplied respirator.

Control Parameters / Exposure Limits:

Sulfur: OEL-RUSSIA: TWA 6mg/m³, JUN 2003

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m ³)	OSHA STEL (ppm)	OSHA STEL (mg/m ³)	OSHA- Tables- Z1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m ³)	NIOSH STEL (ppm)	NIOSH STEL (mg/m ³)	NIOSH Carcinogen
No applicable chemical	-	-	-	-	-	-	-	-	-	-	-	-

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
No applicable chemical	-	-	-	-	-	-	-

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

% Solids By Weight	99.550%
Density VOC	0.000 lb/gal
% VOC	0.000%
VOC Actual	0.000 lb/gal
VOC Actual	0.000 g/l
Specific Gravity	1.870

Appearance	Yellowish solid
Odor Threshold	N.A.
Odor Description	Odorless
pH	N.A.
Water Solubility	Insoluble
Flammability	Flash Point at or above 200 °F
Flash Point Symbol	N.A.
Flash Point	370 °F
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure (Calculated @ 20C/68F)	0.0001 mmHg
Vapor Density	N.A.
Freezing Point	N.A.
Melting Point	246 °F
Low Boiling Point	831 °F
High Boiling Point	N.A.
Auto Ignition Temp	491 °F
Decomposition Pt	0
Evaporation Rate	Negligible
Coefficient Water/Oil	N.A.
Bulk Density	67-70 lbs/ cu. ft.

SECTION 10) STABILITY AND REACTIVITY

Stability:

Stable

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Material may be corrosive to ferrous and mild steel materials. All handling and storage equipment should be constructed of stainless steel, aluminum, or poly-type materials. Powdered sulfur is subject to dust cloud explosions.

Incompatible with acids, alkalies, halogens, oxygen and strong oxidizing agents.

Forms explosive mixtures with oxidizing agents, ammonia, ammonium nitrate, chlorine dioxide, all inorganic perchlorates, sodium nitrate, and zinc.

Conditions to Avoid:

Avoid great heat, sparks, flame, build up of static electricity, contact with incompatible materials.

Hazardous Decomposition Products:

Sulfur oxides, hydrogen sulfide.

SECTION 11) TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation:

Causes skin irritation.

Serious Eye Damage/Irritation:

Causes serious eye irritation.

Carcinogenicity:

No data available.

Germ Cell Mutagenicity:

No data available.

Reproductive Toxicity:

No data available.

Respiratory or Skin Sensitization:

No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

Acute Toxicity:

Inhalation : May be harmful if inhaled.

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SULFUR

LC50 (Mammal - species unspecified, Inhalation) : 1660 mg/m3, Toxic effects : Details of toxic effects not reported other than lethal dose value.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information:

Packaging references: Exempt from requirements (49CFR172.102, Special Provision 30)

Commodity Name: Solid sulfur product

Shipping Description: Solid sulfur product

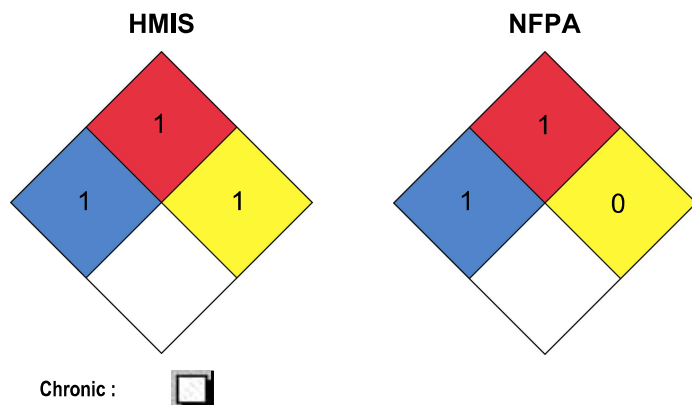
SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0001302-78-9	BENTONITE	0% - 12%	SARA312,TSCA,TX_ESL,TX_TCEQ
0007704-34-9	SULFUR	78% - 99%	SARA312,TSCA,TX_ESL,TX_TCEQ

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary:

ACGIH: American Conference of governmental Industrial Hygienists; ANSI: American National Standards Institute; Canadian TDG: Canadian Transportation of Dangerous Goods; CAS: Chemical Abstract Service; Chemtrec: Chemical Transportation Emergency Center (US; CHIP: Chemical Hazard Information and Packaging; DSL: Domestic Substances List; EC: Equivalent Concentration; EH40 (UK): HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA: Emergency Planning and Community Right-To-Know Act; HMIS: Hazardous Material Information Service; LC: Lethal Concentration; LD: Lethal Dose; NFPA: National Fire Protection Association; OEL: Occupational Exposure Limits; OSHA: Occupational Safety and Health Administration, US Department of Labor; PEL: Permissible Exposure Limit; SARA (Title III): Superfund Amendments and Reauthorization Act; SARA 313: Superfund Amendments and Reauthorization Act, Section 313; SCBA: Self-Contained Breathing Apparatus; STEL: Short Term Exposure Limit; TLV: Threshold Limit Value; TSCA: Toxic Substances Control Act Public Law 94-469; TWA: Time Weighted Value; US DOT: US Department of Transportation; WHMIS: Workplace Hazardous Materials Information System



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