

SHELL OIL COMPANY -- SULFUR -- 6810-00-264-6577

===== Product Identification =====

Product ID:SULFUR

MSDS Date:01/29/1981

FSC:6810

NIIN:00-264-6577

MSDS Number: BDQQW

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:PRODUCT SAFETY AND COMPLIANCE

Box:4320

City:HOUSTON

State:TX

ZIP:77210

CAGE:54527

=== Contractor Identification ===

Company Name:SHELL OIL COMPANY

Box:2463

City:HOUSTO

N

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

===== Composition/Information on Ingredients =====

Ingred Name:SULFUR

CAS:7704-34-9

RTECS #:WS4250000

Fraction by Wt: 99.5%

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATION TO SKIN AND RESPIRATORY TRACT.

Effects of Overexposure:SULFUR DUST

IS MILDLY IRRITATING TO THE EYES.

PROLONGED AND REPEATED SKIN CONTACT WITH THE DUST MAY CAUSE IRRITATION. INHALATION OF DUST CAUSES IRRITATION TO RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:SENTIZATION TO SULFUR

===== First Aid Measures =====

First Aid:MOLTEN SULFUR CONTACT: IMMEDIATELY FLUSH AFFECTED AREAS W/ LARGE AMOUNTS OF WATER. TREAT FOR BURNS. KEEP VICTIM QUIET AND STILL. TREAT FOR SHOCK IF NECESSARY. CALL FOR MEDICAL

HELP AS SOON

AS POSSIBLE . SULFUR DUST: EYES: FLUSH W/WATER FOR AT LEAST 15 MINUTES. DO NOT RUB. GET MEDICAL ATTENTION. SKIN: WASH W/SOAP & WATER. GET MED ATTN IF IRRITATION OCCURS. INHAL: REMOVE VICTIM FROM EXPOSURE.

===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:405F,207.2C

Autoignition Temp:Autoignition Temp Text:450F

Lower Limits:\*SEE BELOW

Upper Limits:\*\*SEE BELOW\*

Extinguishing Media:USE WATER FOG, STREAM OR CO2, WATER STREAM MAY

SCATTER SULFUR.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND PROTECTIVE EQUIPMENT. SULFUR BURNS WITH FAINT BLUE FLAME & GIVES OFF POISONOUS AND CORROSIVE OXIDES OF SULFUR.

Unusual Fire/Explosion Hazard:\*\*DUST OR VAPOR FORMS EXPLOSIVE MIXTURES WITH AIR HAZARDOUS IN CONTACT W/ OXIDIZING MATERIALS, FORMING EXPLOSIVE MIXTURES. SEE NFPA NO.655, STD FOR SULFUR FIRE

===== Accidental Release Measures =====

Spill Release Procedures:

WEAR SCBA AND PROTECTIVE EQUIPMENT IN THE

SPILL AREA AVOID CONTACT WITH HOT MATERIAL. IF INGESTED, BURNS WITH INVISIBLE BLUE FLAMES AND EMITS HIGHLY TOXIC FUMES. SCOOP UP MATERIAL AND PLACE INTO DRUMS FOR DISPOSAL. MINIMIZE RAISING DUST DURING PICKUP

Neutralizing Agent:NONE

===== Handling and Storage =====

Handling and Storage Precautions:MOLTEN SULFUR CAUSES SEVERE BURNS: AVOID ALL CONTACT WITH LIQUID MATERIAL.

Other Precautions:KEEP AWA

Y FROM OPEN FLAMES OR HEAT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH APPROVED RESPIRATORS TO PREVENT  
OVEREXPOSURE. 1) DUST RESPIRATOR FOR POWDERED MATERIAL. 2) AIR  
SUPPLIED RESPIRATOR FOR MOLTEN MATERIAL.  
Ventilation:MECHANICAL (GENERAL) VENTILATION REQUIRED. LOCAL REQUIRED  
FOR HEATING & REACTIONS.  
Protective Gloves:RUBBER  
Eye Protection:GOGGLES  
Other Protective Equipment:PROTECTIVE CLOTHING  
Work Hygienic Practices:WASH H  
ANDS THOROUGHLY AFTER USE AND BEFORE  
EATING OR SMOKING.  
Supplemental Safety and Health  
NSN CANCELLED REPLACED BY 6810-00-282-9709

===== Physical/Chemical Properties =====

HCC:F8  
Boiling Pt:B.P. Text:832F,444.4C  
Melt/Freeze Pt:M.P/F.P Text:235F,112.7C  
Vapor Pres:0.11 @284F  
Vapor Density:8.5  
Spec Gravity:1.79  
Evaporation Rate & Reference:0  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:YELLOW SOLID OR POWDER

===== Stability and Reactivity Data  
=====

Stability Indicator/Materials to Avoid:YES  
KEEP AWAY FROM OXIDIZING MATERIALS.  
Stability Condition to Avoid:KEEP AWAY FROM SPARKS, OPEN FLAMES AND ANY  
SOURCE OF IGNITION.  
Hazardous Decomposition Products:GIVES OFF POISONOUS AND CORROSIVE  
OXIDES OF SULFUR UPON COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OR RECLAIM IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL,STATE OR LOCAL LAWS OR REGS.

Disclaimer

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