

C-I-L CHEMICALS,INC. (SEE SUP DATA) -- SULPHUR DIOXIDE, BULK -- 6830-00-302-7974

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Product Identification  
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Product ID:SULPHUR DIOXIDE, BULK

MSDS Date:01/01/1985

FSC:6830

NIIN:00-302-7974

MSDS Number: BDWPG

=== Responsible Party ===

Company Name:C-I-L CHEMICALS,INC. (SEE SUP DATA)

Emergency Phone Num:313-862-4747

CAGE:00049

=== Contractor Identification ===

Company Name:C-I-L CHEMICALS, I

NC. (SEE SUP DATA)

Phone:313-862-4747

CAGE:00049

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Composition/Information on Ingredients  
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Ingred Name:SULFUR DIOXIDE (SARA III)

CAS:7446-09-5

RTECS #:WS4550000

Fraction by Wt: 100%

OSHA PEL:5 PPM/5 STEL

ACGIH TLV:2 PPM/5 STEL; 9293

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Hazards Identification  
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Effects of Overexposure:SKIN:SEVERE BURNS.EYES:SEVERE

IRRIT/INFLAMM/POSS PERM DAMAGE.INH:SEVERE UPPER RESP TRACT,LUNG

IRRIT.

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First A

id Measures  
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First Aid:SKIN:REMOVE CLTHNG IMMED/FLUSH W/H\*20 MIN 15 MINS/GET MD/DO

NOT APPLY SALVES,OINTMENTS. EYES:WASH THOROUGHLY W/H\*20 MIN 15

MINS/GET MD. INH:MOVE TO FRESH AIR/GIVE ART RESP,O\*2 IF NEC/KEEP

WARM,QUIET/G ET MD. POSS RESP DISTRESS/PARALYSIS. SEE OTHER PRE

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:NONFLAMMABLE-USE AGENT SUITABLE FOR TYPE OF

SURROUNDING FIRE

Fire Fighting P

rocedures:USE SCBA/PROT CLTHNG. USE H\*2O TO COOL CNTNRS  
UNLESS LEAKING

Unusual Fire/Explosion Hazard:CNTNRS WILL VENT @160F,71C/TANK CARS @225  
PSIG IN FIRE OR WHEN HIGH PRESS APPLIED. SO\*2 NOT EXPLOS.

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

Spill Release Procedures:MOVE UNPROTECT PERS.ISOLATE LEAK,POSITION  
CNTNR SO IS GAS,NOT LIQ,LEAK.USE FULL PROTECT EQUIP,APPLY EMERGENCY  
DEVICE IF POSS.NEVER IMMERSER LEAKING SO\*2 CYLINDER IN H\*2O.MAJOR  
LEAKS:IMP  
LEMENT EMERGENCY PLAN.HARMFUL TO AQUATIC LIFE,FORMS  
ACIDIC MEDIA.

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

Handling and Storage Precautions:KEEP CNTNRS IN COOL,DRY,WELL-VENT AREA  
W/NON-CONSTRUCT. SECURE TO PRVNT MOVEMENT/MECH DAMAGE. KEEP OUT OF  
SUN/AWAY FROM DIRECT SOURCES OF HEAT.

Other Precautions:DO NOT SHIP LEAKING SO\*2 CNTNRS. SEPERATE FROM  
COMBUST MATL.IN CASE OF FIRE REMOVE SO\*2 CNTNRS FROM FIRE ZONE IF  
POSS. ING:TRANSPORT IMMED TO NEARES  
T EMERGENCY MED FACILITY. GET MD  
HELP PROMPT

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

Respiratory Protection:NIOSH/MSHA APPRVD FOR EXPOS OF CONCERN. SCBA FOR  
HIGH/UNKNOWN CONC.

Ventilation:ADEQUATE TO KEEP GAS CONC BELOW TLV. VENT AT FLOOR LEVEL.

Protective Gloves:RUBBER/VINYL

Eye Protection:GASTIGHT CHEM GOG,SHIELD

Other Protective Equipment:SFTY SHOWER/EYE WASH.RUBBER  
SHOES/SUIT,GASTIGHT BODY PROTECT

Supplemental Safety and Health

ADDRESS:800 MARION,RIV

ER ROUGE,MICH 48218. DIST:MANLEY REGAN CHEM, DIV

OF UNITED CHEM, INC. 717-944-7471. VAP PRESS:1323.7. VP & SP GRAV  
MEASURED @60F,15.5C. STRONG SUFFOCATING, PUNGENT ODOR.

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

HCC:G1

Boiling Pt:B.P. Text:14F,-10C

Vapor Density:2.26

Spec Gravity:1.39

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS GAS OR LIQ BELOW 14F,-10C(SEE SUPP DATA)

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

Stab

ility Indicator/Materials to Avoid: YES

STRONG ALKALIES, OXIDIZING AGENTS. MOIST GAS CORRODES METALS.

Stability Condition to Avoid: PRESENCE OF MOISTURE & HIGH TEMPS. STORAGE  
IN CONFINED SPACE

Hazardous Decomposition Products: DOES NOT DECOMP; REACTS  
W/H<sub>2</sub>O/STEAM: PROD TOXIC, CORROSIV MATL

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

Waste Disposal Methods: SO<sub>2</sub> CAN BE ABSORBED IN ALKALINE SOLN OF  
NAOH, SODA ASH, HYDRATED LIME, NAHCO<sub>3</sub> WHICH MUST BE  
OXIDIZED (E.G. H<sub>2</sub>

O<sub>2</sub>) BEFORE DISPOS DUE TO O<sub>2</sub> DEMAND. MAY BE DANGER  
IF IT ENTERS H<sub>2</sub>O INTAKES. DISPOSAL MUST B E IAW LOCAL, STATE &  
FEDERAL REGULATIONS.

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