

DUBOIS CHEMICALS -- C-1102 -- 6850-01-167-7894

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

Product ID:C-1102
MSDS Date:05/12/1999
FSC:6850
NIIN:01-167-7894
Status Code:A
MSDS Number: CJHWR
=== Responsible Party ===
Company Name:DUBOIS CHEMICALS
Address:2550 E 5TH ST
City:CINCINNATI
State:OH
ZIP:45202
Country:US
Info Phone Num:800-543-4906
Emergency Phone Num:800-543-4906
Resp. Party Other MSDS Num.:00780
Chemtrec Ind/Phone:(800)424-9300
CAGE:72008

=== Contractor Identification ===

Company Name:DIVERSEY LEVER INC DUBOIS CHEMICALS DIV
Address:3630 E KEMPER RD
Box:City:SHARONVILLE
State:OH
ZIP:45241
Country:US
Phone:513-554-4200/ 800-543-4906
Contract Num:SP0450-99-M-NC30
CAGE:72008

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

Ingred Name:SODIUM METASILICATE
CAS:6834-92-0
RTECS #:VV9275000
< Wt:5.

Ingred Name:2-BUTOXYETHANOL
CAS:111-76-2
RTECS #:KJ8575000
< Wt:5.
OS

HA PEL:240 MG/M3;50 PPM
ACGIH TLV:121 MG/M3;25 PPM

Ingred Name:SODIUM TRIPOLY PHOSPHATE
CAS:7758-29-4
RTECS #:YK4570000
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000

Ingred Name:SODIUM DODECYBENZENE SULFONATE (MANUFACTURER GAVE CAS#
15155-30-0 WHICH IS AN INVALID CAS)

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:PRODUCT CONTAINS IRRITATING OR HARMFUL
CHEMICALS WHICH MAY CAUSE EYE OR SKIN IRRITATION OR BURNS. MAY BE
HARMFUL IF SWALLOWED; MAY CAUSE GASTRIC DISTRESS. INHALATION OF
SPRAY OR MISTS MAY CAUSE IRRITATION OF NOSE, THROAT AND
RESPIRATORY TRACT.
Effects of Overexposure:EYES-PAIN, SWELLING, BLURRED OR IMPAIRED
VISION. SKIN-REDNESS, SWELLING, POSSIBLE PAIN. INGESTED-GASTRIC
DISTRESS, DIARRHEA, VOMITING. INHALED-IRRITATION TO NOSE, THROAT,

RESPIRATORY TRACT; PAIN, BREATHING DIFFICULTY.
Medical Cond Aggravated by Exposure:DERMATITIS, SENSITIVE SKIN.

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

First Aid:EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL
ATTENTION. SKIN-FLUSH THOROUGHLY WITH WATER. WASH WITH SOAP &
WATER. REMOVE CONTAMINATED CLOTHES AND SHOES & CLEAN BEFORE REUSE.
GET MEDICAL ATTENTION FOR ANY PAINFUL, RED OR INJURED SKIN.
INGESTED-RINSE MOUTH OUT WITH WATER. DISCONTINUE BY DRINKING SEVERAL
GLASSES WATER. DO NOT INDUCE VOMITING! GET PROMPT MEDICAL
ATTENTION. NOTE: NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS
PERSON. INHALED-REMOVE TO FRESH AIR. IF BREATHING DIFFICULTY
ARISES, GET MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), FOAM OR DRY
POWDER.
Fire Fighting Procedures:WEAR FULL PROTECTIVE GEAR AND POSITIVE
PRESSURE BREATHING APPARATUS

EATHING APPARATUS (SCBA) IN FIRE AREA.

Unusual Fire/Explosion Hazard:TOXIC FUMES OR VAPOR MAY FORM DURING
FIRE. SPILLED PRODUCT MAY CAUSE SLIPPERY SURFACE AND FALL HAZARD.

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

Spill Release Procedures:CONTAIN SPILL. ABSORB WITH SAND OR CLAY.
COLLECT MATERIAL AND PLACE IN SUITABLE WASTE CONTAINER. NEUTRALIZE
SOLIDS AND SPILL AREA WITH SODA ASH OR LIME. DISPOSE OF BY
ENVIRONMENTAL REGULATIONS. THIS PRODUCT DOES NOT
CONTAIN A
REPORTABLE QUANTITY (RQ) UNDER CERCLA.
Neutralizing Agent:SODA ASH, LIME.

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA AWAY FROM
ACIDS. KEEP CONTAINER CLOSED WHEN NOT IN USE. WEAR PROTECTIVE GEAR
WHEN HANDLING. DO NOT PRESSURIZE CONTAINER TO EMPTY.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:R
ESPIRATOR PROTECTION RQUIRED IF PEL IS
EXCEEDED.
Ventilation:GOOD VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE
LEVELS.
Protective Gloves:ALKALI RESISTANT.
Eye Protection:FACE SHIELD IF CONTACT OR SPLASH HAZARD EXISTS. EYE WASH
IN USE AREA
Other Protective Equipment:RUBBER BOOTS, CHEMICAL APRON AND SAFETY
SHOWER IN USE AREA IF CONTACT OR SPLASH HAZARD EXISTS.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTUR
ER.

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

HCC:B1
Boiling Pt:=101.7C, 215.F
Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED
Vapor Pres:17.5 MM/HG @ 20 C
Vapor Density:N/D
Spec Gravity:1.073
pH:13.9
Solubility in Water:SOLUBLE
Appearance and Odor:CLEAR PALE YELLOW LIQUID WITH MILD ODOR
Percent Volatiles by Volume:80

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, STRONG OXIDIZERS
Stability Co

Condition to Avoid: PRODUCT STABLE.

Hazardous Decomposition Products: INCOMPLETE COMBUSTION FORMS OXIDES OF CARBON AND SULFUR.

===== Toxicological Information =====

Toxicological Information: SODIUM METASILICATE: ACUTE ORAL LD50 (RAT): 1153 MG/KG.

===== Ecological Information =====

Ecological: ECOTOXICITY DATA: PRODUCT & WASTE ARE HARMFUL TO FISH AND AQUATIC FORM. DISCHARGE PROCESS WASTE & OVERFLOW TO A SANITARY SEWER OR

ON-SITE TREATMENT PROCESS. ECOTOXICITY TEST DATA: NO DATA AVAILABLE. ENVIRONMENTAL FATE: NO DATA AVAILABLE.

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

Waste Disposal Methods: RCRA REGULATED: CONCENTRATED PRODUCT WOULD BE CONSIDERED D002-CORROSIVE IF DECLARED HAZARDOUS WASTE. CONTAINS PHOSPHATES. ADJUST PH OF DILUTED PRODUCT & DISCHARGE TO INDUSTRIAL SEWER. USE PRODUCT IN CONTAINER UNTIL EMPTY. TRIPLE RINSE CONTAINER WITH WATER & ADD TO PROCESS. RECYCLE OR DISPOSE OF CONTAINER.

===== MSDS Transport Information =====

Transport Information: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM METASILICATE), 8, UN3266, PG III, ERG. 60, NAERG NO. 154.

===== Regulatory Information =====

SARA Title III Information: SECTION 313 TOXIC CHEMICALS: 2-BUTOXYETHANOL, CAS# 111-76-2,