

MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS -- FC-203CF -- 4210-01-144-0291

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Product Identification
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Product ID:FC-203CF

MSDS Date:07/29/1991

FSC:4210

NIIN:01-144-0291

MSDS Number: BNBTS

=== Responsible Party ===

Company Name:MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS

Address:3M CTR

City:ST PAUL

State:MN

ZIP:55144

Country:US

Info Phone Num:612-733-5454

Emergency Phone Num

:612-733-5454

CAGE:28112

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO PERFORMANCE CHEM AND FLUIDS DIV

Address:3M CTR

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:800-364-3577/651-737-6501

CAGE:28112

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Composition/Information on Ingredients
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Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 69-71% %

Other REC Limits:NONE SPECIFIED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 20% %
Other REC Limits:NONE SPECIFIED

Ingred Name:FLUOROALKYL SURFACTANTS (NEW JERSEY TRADE SECRET EIN
5803P, 5804P)

Fraction by Wt: 3 - 5% %
Other REC Limits:NONE SPECIFIED

Ingred Name:SYNTHETIC DETERGENTS (NEW JERSEY TRADE SECRET EIN 5805P,
5806P)

Fraction by Wt: 4 - 6% %
Other REC Limits:NONE SPECIFIED

Ingred Name:1H-BENZOTRIAZOLE, METHYL-
CAS:29385-43-1

Fraction by Wt: < 0.1% %
Other REC Limits:NONE SPECIFIED

Ingred Name:TRIETHANOLAMINE
CAS:102-71-6

RTECS #:KL9
275000
Fraction by Wt: 1.0% %
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:MODERATELY IRRITATING TO EYES, MAY
CAUSE SKIN IRRITATION, MIST OR VAPORS MAY CAUSE IRRITATION OF THE
RESPIRATORY TRACT. MAY CAUSE GASTROINTESTINAL DISTURBANCES, CENTRA

L
NERVOUS SYSTEM DISTURBANCES. NO T EXPECTED TO BE AN INGESTION
HAZARD.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, RESPIRATORY
TRACT IRRITATION, VOMITING, NAUSEA, DIARRHEA, ABDOMINAL PAIN,
PULMONARY EDEMA, STUPOR, UNCONSCIOUSNESS, FLUSHING OF FACE,
DIZZINESS, HEADACHE, COUGH, SORE THROAT, SHORTNESS OF BREATH,
CONFUSION,CONVULSIONS, L

ETHARGY, TWITCHING OF EYES, INJURY OF BLOOD
AND BLOOD-FORMING SYS

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 10 MINUTES. CALL A
PHYSICIAN. SKIN: WASH EFFECTED AREA WITH SOAP AND WATER.
INHALATION: REMOVE PERSON TO FRESH AIR. IF SYMPTOMS CONTINUE, CALL
A PHYSICIAN. INGESTION: GIVE TWO GLASSES OF WATER. IMMEDIATELY
CALL A PHYSICIAN OR
POISON CONTROL CENTER.

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

Flash Point Method:CC

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:PRODUCT IS A FIRE EXTINGUISHING AGENT.

Fire Fighting Procedures:FULL PROTECTIVE CLOTHING INCLUDING

SELF-CONTAINED BREATHING APPARATUS, COAT, PANTS, GLOVES, BOOTS AND
BANDS AROUND LEGS, ARMS AND WAIST SHOULD BE PROVIDED.

Unusual Fire/Explosion Hazard:TOXIC BY-PRODUCTS, INCLUDING SMALL
AMOUNTS OF HF,
MAY BE FORMED.

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

Spill Release Procedures:CONTAIN SPILL. COVER WITH ABSORBENT MATERIAL.

COLLECT SPILLED MATERIAL. CLEANUP RESIDUE WITH WATER. PLACE IN U.S.
DOT APPROVED CONTAINER AND SEAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS.

AVOID BREATHING SPRAY AND MISTS. DO NOT GET

IT IN EYES. AVOID CONTACT

WITH SKIN. KEEP CONTAINER CLOSED WHEN NOT IN USE

Other Precautions:TRIETHANOLAMINE IS CORROSIVE WHEN UNDILUTED.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR
CARTRIDGE AND PARTICULATE FILTER.

Ventilation:GENERAL VENTILATION IS ADEQUATE DURING NORMAL INTENDED USE
OF DILUTED PRODUCT.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFEETY GOGGLES

Other Protective Equipment

t:PROTECTIVE CLOTHING, EMERGENCY
SHOWER/EYEWASH STATION.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C

Vapor Pres:29.300

Vapor Density:00.62

Spec Gravity:1

pH:7.5

Evaporation Rate & Reference:< 1 (BUTYL ACETATE =
1)

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR, AMBER COLORED LIQUID

Percent Volatiles by Volume:90 %

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:THERMAL DECOMPOSITON MAY PRODUCE TOXIC
MATERIALS INCLUDING HF. DECOMPOSITION OF USAGE CONCENTRATIONS NOT
HAZARDOUS.

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Disposal Considerations =====

Waste Disposal Methods:BLEED SPENT SOLUTIONS AND SMALL PRODUCT
QUANTITIES, GENERALLY < 5 GALLONS TO A WASTEWATER TREATMENT SYSTEM.
REDUCE DISCHARGE RATE IF FOAMING OCCURS. INCINERATE BULK PRODUCT IN
AN INDUSTRIAL OR COMMERCIAL INCINERATOR. SEE WITH APPLICABLE
REGULATIONS.

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