

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO MICRONIC 883
- RED -- 9150-01-119-8149

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

Product ID:BRAYCO MICRONIC 883 - RED

MSDS Date:04/16/1999

FSC:9150

NIIN:01-119-8149

Status Code:A

MSDS Number: CKRKS

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

City:

DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:800-621-2661

Emergency Phone Num:800-424-9300

Resp. Party Other MSDS Num.:27011A

Chemtrec Ind/Phone:(800)424-9300

CAGE:2R128

=== Contractor Identification ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

Box:City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Phone:800-621-2661/ FAX: 630-241-4140

Contract Num:SP0450-00-M-C645

CAGE:2R128

===== Composition/Infor
mation on Ingredients =====

Ingred Name:NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT

CAS:25619-56-1

Minumum % Wt:1.

Maxumum % Wt:5.

Other REC Limits:0.5 MG/M3 TWA

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

Health Hazards Acute and Chronic:EYE: MAY CAUSE EYE IRRITATION. SKIN:
CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION: NO ACUTE
EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE
GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAU SEA, VO

MITING,

DIARRHEA, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MIST MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD.

Explanation of Carcinogenicity:NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT >0.1% IS PRESENTLY LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.

Effects of Overexposure:EYE: EYE IRRITATION. SKIN: IRRITATION. SKIN ABSORPTION: NO ACUTE

EFFECTS EXPECTED. INGESTION: GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MIST MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT. CHRONIC EFFECTS: NONE KNOWN.

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First Aid Measures
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First Aid:EYE: FLUSH WITH WATER. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION.

WASH CLOTHING BEFORE REUSE. USE SKIN CREAM FOR DEFATTED AREAS. INGESTION: ASPIRATION HAZARD: DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING OCCURS, OR IF COMATOSE OR LETHARGIC, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. SEE K IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. GET MEDICAL HELP.

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Fire Fighting Measures
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Flash Point Method:COC

Flash Point:=-221.1C, 430.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:WATER, DRY CHEMICAL, CO2, OR ALCOHOL FOAM.

Fire Fighting Procedures:CONTACT WITH WATER WILL CAUSE SPATTERING AND MAY GENERATE ENOUGH HEAT TO IGNITE COMBUSTIBLE MATERIALS.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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Accidental Release Measures
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Spill Release Procedures

:LARGE SPILLS-WEAR APPROPRIATE PROTECTIVE CLOTHING. STOP SOURCE OF LEAK IF POSSIBLE. DIKE, CONTAIN SPILL & RECOVER FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. SOAK UP RESIDUE WITH AN INERT ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIALS; STORE & DISPOSE OF PROPERLY. FLUSH AREA WITH WATER. WHERE FEASIBLE & APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL SPILL-SOAK UP SPILL WITH INERT ABSORBENT.

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

Handling and Storage Precautions: MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED/REPEATED BREATHING OF VAPORS, MISTS, FUMES. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

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

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEEDS PERMISSIBLE EXPOSURE LIMIT.

Ventilation: PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. GREATER THAN 60F3/MIN RECOMMENDED.

Protective Gloves: USE NEOPRENE TYPE GLOVES WHEN HANDLING THIS PRODUCT.

Eye Protection: SAFETY GLASSES WITH SIDE SHIELD OR CHEMICAL GOGGLES.

Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING & CHEMICAL RESISTANT SAFETY SHOES SHOULD BE WORN. WASH CONTAMINATED CLOTHING WITH SOAP & WATER & DRY BEFORE REUSE. EMERGENCY SHOWER & EYEWASH FACILITY SHOULD BE PROVIDED.

Supplemental Safety and Health
SPECS: MIL-H-46170B TYPE II AMD 3.

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

HCC: V6
Boiling Pt: >260.C, 500.F
Melt/Freeze Pt: M.P/F.P Text: NOT DETERMINED
Vapor Pres: N/D
Spec Gravity: @60F = 0.8600 +/-
Evaporation Rate & Reference: N/D
Solubility in Water: SLIGHT
Appearance and Odor: BRIGHT RED FLUID; MILD PETROLEUM ODOR.

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

STRONG OXIDIZERS, HEAT AND SOURCES OF IGNITION.
Stability

ility Condition to Avoid:HEAT AND SOURCES OF IGNITION.

Hazardous Decomposition Products:IRRITATING OR TOXIC FUMES; CO AND CO2;
OXIDES OF SULFUR.

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Ecological Information
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Ecological:NO SPECIFIC DATA ARE AVAILABLE.

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Disposal Considerations
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Waste Disposal Methods:DISPOSE OF I/A/W LOCAL, STATE & FEDERAL
REGULATIONS. DISPOSAL OF THIS MATERIAL TO THE LAND MAY BE BANNED BY
FEDERAL LAW (40 CFR 268). M
AY BE DISPOSED OF BY CONTROLLED
INCINERATION. THIS PRODUCT AS PU RCHASED DOES NOT FALL UNDER
CURRENT U.S. EPA RCRA DEFINITIONS OF HAZARDOUS WASTE.

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MSDS Transport Information
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Transport Information:NOT REGULATED IF SHIPPED BY LAND IN A NON-BULK
PACKAGING.

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Regulatory Information
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SARA Title III Information:CERCLA.EPCRA: SEC 302 EXTREMELY HAZARDOUS
SUBSTANCES: NOT LISTED. SEC 311/312 HAZ CLASS
ES: IMMEDIATE = YES;
DELAYED = NO; FIRE, REACTIVITY, SUDDEN RELEASE OF PRESSURE = NO.
SEC 313 TOXIC CHEMICALS: BARIUM COMPOUNDS (25619-56-1) 1.75%.
Federal Regulatory Information:HAZARDOUS PER OSHA 29 CFR 1910.1200 =
YES.

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