

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO MICRONIC 883
-- 9150-00-111-6255

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

Product ID:BRAYCO MICRONIC 883

MSDS Date:04/16/1999

FSC:9150

NIIN:00-111-6255

Status Code:A

MSDS Number: CKRDY

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

City:DOWNERS GROV

E

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:800-621-2661

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:27010A

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-C621

CAGE:2R128

===== Composition/Information on I
ngredients =====

Ingred Name:NAPHTHALENESULFONIC ACID, DINONYL- BARIUM SALT

CAS:25619-56-1

Minumum % Wt:1.

Maxumum % Wt:5.

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

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

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

Health Hazards Acute and Chronic:EYE: MAY CAUSE EYE IRRITATION. SKIN

CONTACT: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTIONL NO

ACUTE EFFECTS EXPECTED. INGESTION: THIS PR

PRODUCT MAY CAUSE

GASTROINTESTINAL DISTRESS WITH SYMPTOM OS NAUSEA, VOMITING, DIARRHES, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MISTS 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 Overexp

posure:EYE: MAY CAUSE EYE IRRITATION. SKIN CONTACT:

CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTIONL NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOM OS NAUSEA, VOMITING, DIARRHES, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERN HAZARD.

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

First Aid:EYE-FLUSH WITH PLENTY OF WATER. GET MEDICAL AID IF IRRITATION OCCURS. SKIN-WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL AID IF IRRITATION PERSISTS. USE SKIN CREAM FOR D EFATTED AREAS. INGESTION-ASPORATION HAZARD: DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. THIS MATERIAL CAN ENTER THE LUNGS & CAUSE SEVERE DAMAGE. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING OCCUR S, OR IF COMATOSA OR LETHARGIC, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. SEEK IMMEDIATE MEDICAL AID. INHALATION-REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM CPR. KEEP WARM & AT REST. GET MEDICAL AID.

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

Flash Point Method:COC

Flash Point:=221.C, 429.8F

Autoignition Temp:Autoignition Temp Text:ND

Lower Limits:ND

Upper Limits:ND

Extinguishing Media:WATER, DRY CHEMICAL, XO2, OR ALCOHOL FOAM.

Fire Figh

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

Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:SMALL SPILLS: NEUTRALIZE AND/OR SOAK UP SPILL
WITH INERT ABSORBENT. STORE IN A CLOSED CONTAINER AND DISPOSE OF
PROPERLY.

===== 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.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC
VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEEDS PERMISSIBLE
EXPOSURE LIMIT. PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR
LOCAL EXHAUST TO MAI
NTAIN EXP OSURE BELOW TLV. GRAEATER THAN
60F3/NIM RECOMMENDED.

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

Protective Gloves:NEOPRENE TYPE GLOVES

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

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING & CHEMICAL
RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTACT.

EMERGENCY SHOWER & EYEWASH FACILITY SHOUL

D BE PROVIDED IN ALL AREAS

IN WHICH THIS PRODUCT IS HANDLED.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING WITH SOAP AND WATER
AND DRY BEFORE REUSE.

Supplemental Safety and Health

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

Boiling Pt:>260.C, 500.F

Melt/Freeze Pt:M.P/F.P Text:ND

Vapor Pres:ND

Vapor Density:NA

Spec Gravity:0.8600 @ 60F

pH:NA

Viscosity:NA

Evaporation Rate & Reference:ND (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:L

IGHT AMBER FLUID; MILD PETROLEUM ODOR.

Percent Volatiles by Volume:NA

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, HEAT AND SOURCES OF IGNITION.

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:IRRITATING OR OTXIC FUMES; CO AND CO2;
OCIDES OF SULFUR.

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

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SYMPTOM OS NAUSEA, VOMITING, DIARRHES, AND ABDOMINAL PAIN. ACUTE
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PRODUCE IRRITATION AND DAMA GE TO THE RESPIRATORY TRACT. CHRONIC
EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM
H
AZARD.

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

Ecological:ECOTOXICOLOGICAL INFORMATION: NO SPECIFIC ECOLOGICAL DATA
ARE AVAILABLE FOR THIS PRODUCT.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATION. DISPOSAL OF THIS MATERIAL TO THE LAND MAY BE
BANNED BY FEDERAL LAW (40 CFR 268). MAY BE DISPOSED OF BY
CONTROLLED INCINERATION.

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

Transport Information:HAZARDOUS MATERIAL DESCRIPTION/PROPER SHIPPING
NAME: NOT REGULATED. HAZARD CLASS: SAME AS ABOVE. IDENTIFICATION
NUMBER: SAME AS ABOVE. PACKING GROUP: SAME AS ABOVE. TELEPHONE
NUMBER FOR TRANSPORTATION INSTRUCTIONS: 1-800-621-2661, SHEA
DEPARTMENT.

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

SARA Title III Information:313 LISTED CHEMICALS: 25619-56-1, BARIUM
COMPOUND, 1.5%.

SECTION 311/312 HAZARD CLASS(ES): IMMEDIATE-YES.

DELAYED-NO. FIRE-NO. REACTIVITY-NO. SUDDEN RELEASE OF PRESSURE-NO.

Federal Regulatory Information:CONTAINS NO OTHER INGREDIENTS NOW KNOWN TO BE HAZARDOUS AS DEFINED BY OSHA. U.S. FEDERAL REGULATIONS: HAZARDOUS PER OSHA 29 CFR 1910.1200: YES. CERCLA/EPCRA: SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS): NO LISTED INGREDIENTS ARE PRESENT ON THE 302 LIST. OTHER U.S. FEDERAL REGULATIONS: THIS PRODUCT IS A MIXTURE & IS NOT LI

STED IN THE TSCA INVENTORY. THE

INDIVIDUAL INGREDIENTS IN THE PRODUCT AR E LISTED IN THE TSCA INVENTORY.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

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