

CASTROL INDUSTRIAL NORTH AMERICA INC. -- BRAYCO MICRONIC 882 (RED) -- 9150-00-149-7432  
===== Product Identification =====

Product ID:BRAYCO MICRONIC 882 (RED)

MSDS Date:07/13/2000

FSC:9150

NIIN:00-149-7432

Status Code:A

MSDS Number: CKXTM

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC.

Address:1001 WEST 31ST STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:800-621-2661

Emergency Phone Num:1-800-424-9300

Resp. Party Other MSDS Num.:27009A

Preparer's Name:.

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO137

=== Contractor Identification ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC.

Address:5511 DISTRICT BLVD

Box:City:LOS ANGELES

State:CA

ZIP:90040

Country:US

Phone:213-890-4420

CAGE:98308

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC.

Address:1001 WEST 31ST STREET

Box:City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Phone:8

00-621-2661  
CAGE:UO137  
Company Name:RADIAN INTL LLC  
Address:8501 N MOPAC BLVD  
Box:201088  
City:AUSTIN  
State:TX  
ZIP:78720-1088  
Country:US  
Phone:512-419-5224  
Contract Num:SP0450-00-D-4021  
CAGE:29913

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Composition/Information on Ingredients  
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Ingred Name:CONTAINS NO INGREDIENTS NOW KNOW TO BE HAZARDOUS BY OSHA  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED.

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Hazards Identification  
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LD50 LC50 Mixture:NOT PROVIDED.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYES: MAY CAUSE IRRITATION. SKIN: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MIST  
S MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM.  
Explanation of Carcinogenicity:NO COMPONENTS KNOWN TO BE PRESENT IN THIS PRODUCT AT >0.1% IS PRESENTLY LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.  
Effects of Overexposure:EYES: MAY CAUSE IRRITATION. SKIN: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTI

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DISTRESS WITH SYMPTOMS OF NAUSEA , VOMITING, DIARRHEA, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:NOT PROVIDED.

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

First Aid:EYE: FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN: WASH SKIN WITH PLENTY OF SOAP & WATER. USE SKIN CREAM FOR DEFATTED

AREAS. INGESTION: ASPIRATION HAZARD: DO

NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. CAN CAUSE SEVERE DAMAGE. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING OCCURS, OR IF COMATOSE OR LETHARGIC, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. SEEK IMM EDIATE MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION. KEEP PERSON AT REST .

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

Flash Point Method:COC

Flash Point:=221.1C, 430.F

Lower Limits:ND

Upper Limits:ND

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:NOT PROVIDED.

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

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 MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER. WHERE FEASIBLE & APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL SPILL: NEUTRALIZE &/OR SOAK UP SPILL WITH INERT ABSORBENT.

Neutralizing Agent:NOT PROVIDED.

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

Handli

ng 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.

Other Precautions:NOT PROVIDED.

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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.

Ven

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

Protective Gloves:NEOPRENE TYPE GLOVES WHEN HANDLING THIS PRODUCT.

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

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

EMERGENCY SHOWER/ EYEWASH FACILITY SHOULD BE PROVIDED IN ALL AREAS  
IN WHICH TH

IS PRODUCT IS HANDLED

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

Supplemental Safety and Health

N/D=NOT DETERMINED.

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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

Decomp Temp:Decomp Text:NOT PROVIDED BY MFR

Vapor Pres:NOT DETERMINED.

Vapor Density:NOT PROVID

Spec Gravity:0.8600 +/- @ 60F (H2O=1)

pH:NOT PROVIDED BY

Viscosity:NOT AVAILABLE

Evapora

tion Rate & Reference:ND

Solubility in Water:SLIGHT

Appearance and Odor:BRIGHT RED FLUID; MILD PETROLEUM ODOR.

Percent Volatiles by Volume:NA

Corrosion Rate:NOT PROVIDED BY MFR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:HEAT AND SOURCES OF IGNITION

Hazardous Decomposition Products:IRRITATING OR TOXIC FUMES; CARBON  
MONOXIDE (CO) AND CARBON DIOXIDE (CO2).

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== Ecological Information =====

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

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

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

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

Transp

ort Information:HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME: NOT REGULATED. TELEPHONE NUMBER FOR TRANSPORT INSTRUCTIONS: 1-800-621-2661, SHEA DEPARTMENT.

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

SARA Title III Information:SECTION 302 EXTREMELY HAZARDOUS SYBSTANCES (EHS): NO LISTED INGREDIENTS ARE PRESENT ON THE 302 LIST. SECTION 311/312 HAZARD CLASS(ES): IMMEDIATE: NO. DELAYED: NO. FIRE: NO. REACTIVITY: NO. SUDDEN RELEASE OF PRESS

URE: NO. SECTION 313

TOXIC CHEMICALS: IF NONE LISTED HERE OR IN SECTION B, THERE ARE NO 313 CHEMICALS PRESENT ABOVE THRESHOLD VALUE.

Federal Regulatory Information:THIS PRODUCT IS A MIXTURE AND IS NOT LISTED IN THE TSCA INVENTORY. THE INDIVIDUAL INGREDIENTS IN THE PRODUCT ARE LISTED IN THE TSCA INVENTORY.

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