

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO MICRONIC 881
-- 9150-01-386-6687

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

Product ID:BRAYCO MICRONIC 881

MSDS Date:05/05/2000

FSC:9150

NIIN:01-386-6687

Status Code:A

MSDS Number: CKZPY

=== 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:630-241-4000/800-621-2661

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:27020A

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

CAGE:2R128

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

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Ingred Name:CONTAINS NO INGREDIENTS NOW KNOWN TO BE HAZARDOUS BY OSHA

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

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

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 NAUSE A, VOMITING,
DIARRHEA, AND ABDOMINAL PAIN.

INHALATION: INHALATION OF HIGH

CONCENTRATION 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 UNLESS OTHERWISE NOTED.

Effects of Overexposure:EYE: MAY CAUSE EYE IRRITATION. SKIN:CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABS

ORPTION: NO ACUTE EFFECTS

EXPECTED. INGESTION:THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATION 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.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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===== First Aid Measures =====
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First Aid:EYE: FLUSH W/PLENTY WATER. GET MEDICAL HELP FOR IRRITATION. SKIN: WASH W/PLENTY SOAP & WATER. REMOVE CONTAMINATED CLOTHES & WASH BEFORE REUSE. GET MEDICAL HELP IF IRRITATED. USE SKIN CREAM FOR DEFATTE D AREA. INGESTION: ASPIRATION HAZARD-DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. MATERIAL CAN ENTER LUNGS & CAUSE SEVERE DAMAGE. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING OCCURS, OF IF CAMATOS A/LETHARGIC, PLACE ON LEFT SIDE W/HEAD DOWN. GET IMMEDAT
E MEDICAL HELP. INHALATION: MOVE TO FRESH AIR IMMEDIATELY. IF BREATHING STOPPED, PERFORM ARTIFICIAL RESPIRATION. KEEP WARM/QUIET. TREAT SYMPTOMA TICALLY. GET MEDICAL HELP IMMEDIATELY.

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===== Fire Fighting Measures =====
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Flash Point Method:COC

Flash Point:=182.2C, 360.F

Autoignition Temp:Autoignition Temp Text:N/D

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

Fire Fighting Procedures:CONTACT WITH WATER WILL CAUSE SPATTERING AND
M

AY GENERATE ENOUGH HEAT TO IGNITE COMBUSTIBLE MATERIALS.
Unusual Fire/Explosion Hazard:GIVES OFF IRRITATING OR TOXIC FUMES
DURING COMBUSTION AS WELL AS CO & CO2.

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

Spill Release Procedures:LARGE: WEAR APPROPRIATE PROTECTIVE CLOTHING.
STOP SOURCE OF LEAK IF POSSIBLE. DIKE, CONTAIN SPILL & RECOVER FREE
LIQUID. PREVENT ENTRY INTO WATERWAYS. SOAK UP RESIDUE W/AN INERT
ABSORBENT SUCH AS CLAY , SAND OR OTHER SUITABLE
MATERIALS; STORE &
DISPOSE OF PROPERLY. FLUSH AREA W/WATER. WHERE FEASIBLE &
APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL: NEUTRALIZE &/OR SOAK
UP SPILL WITH INERT ABSORBENT.
Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:MAINTAIN AMBIENT TEMPERATURES. AVOID
PROLONGED/REPEATED BREATHING OF BVAPORS, MISTS, FUMES. KEEP
CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG
OXID
ANTS. MAINTAIN ADEQUATE VENTILATION .
Other Precautions:US EPA HAZARDOUS WASTE NUMBERS: THIS PRODUCT AS
PURCHASED DOES NOT FALL UNDER CURRENT U.S. EPA RCRA DEFINITIONS OF
HAZARDOUS WASTE. UNDER RCRA IT IS THE GENERATOR'S RESPONSIBILITY TO
DETERMINE THE STA TUS OF THE WASTE AT THE TIME OF ITS DISPOSAL.
THIS PRODUCT DOES NOT CONTAIN ANY CERCLA REGULATED MAT ERIALS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED R
ESPIRATOR WITH ORGANIC
VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEEDS PERMISSIBLE
EXPOSURE LIMIT. PROVIDE SUFFICIENT MECHANICAL, GENERAL AND/OR LOCAL
EXHAUST TO MAINTAIN EXPO SURE BELOW ANY APPLICABLE TLV OR PEL.
Ventilation:PROVIDE SUFFICIENT MECHANICAL, GENERAL AND/OR LOCAL EXHAUST
TO MAINTAIN EXPOSURE BELOW ANY APPLICABLE TLV OR PEL.
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 TO MINIMIZE CONTACT. EMERGENCY SHOWER & EYEWASH FACILITY SHOULD BE PROVIDED IN ALL AREAS IN WHICH PRODUCT IS HANDLED.

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

Supplemental Safety and Health

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

HCC:V6

Boiling Pt:>260.C, 500.F

Melt/Freeze Pt:M.P/F.P Text:NOT DETER

MINED

Spec Gravity:@60F: 0.8400 +/-

Viscosity:NOT AVAILABLE

Evaporation Rate & Reference:NOT DETERMINED

Solubility in Water:SLIGHT

Appearance and Odor:PALE, STRAW COLORED FLUID; MILD PETROLEUM ODOR

===== 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 TOXIC FUMES; CO AND CO2.

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

Toxicological Information:NOT PROVIDED

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

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

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

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). MAY BE DISPOSED OF BY CONTROLLED IN

CINERATION. THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER
CURRENT U.S. EPA RCRA DEFINITIONS OF HAZARDOUS WASTE. KEEP IN
CLOSED CONTAINER BEFORE DISPOSAL.

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

Transport Information:NOT REGULATED

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

Federal Regulatory Information:INDIVIDUAL INGREDIENTS ARE LISTED ON
TSCA INVENTORY.

State Regulatory Information:NOT PROVIDED

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