

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO MICRONIC 882 (RED) -- 9150-01-256-6433

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

Product ID:BRAYCO MICRONIC 882 (RED)

MSDS Date:07/13/2000

FSC:9150

NIIN:01-256-6433

Status Code:A

MSDS Number: CLNKB

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

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:27009A

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:SP0450-01-M-LR93

CAGE:2R128

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position/Information on Ingredients =====

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

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

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 WI

TH SYMPTOMS OF NAUSEA,
VOMITING, DIARRHEA, AND ABDOMINAL PAIN. INHALATION: INHALATION OF
HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION AND DAMAGE TO
THE RESPIRATORY TRACT. CHRONIC EFFECT S: 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 GASTROINTESTINAL
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.

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

First Aid:EYE-FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF
IRRITATION OCCURS. SKI
N- WASH SKIN WITH PLENTY OF SOAP & WATER. USE
SKIN CREAM FOR DEFATTED AREAS. INGESTION-ASPIRATION HAZARD: DO NOT
IND UCE 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 IMMEDI ATE MEDICAL ATTENTION. INHALATION-REMOVE FROM EXPOSURE
AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM
ARTIFICIAL RESPIRATION. GET IMMEDI
ATE MEDICAL ATTENTION. KEEP
PERSON AT REST.

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

Flash Point Method:COC
Flash Point:=221.1C, 430.F
Autoignition Temp:Autoignition Temp Text:ND
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:NONE KNOWN.

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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

===== 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.

Other Precautions:DISPOSAL CONT: UNDER RCRA IT IS THE GENERATOR'S RESPONSIBILITY TO DETERMINE THE STATUS OF THE WASTE AT THE TIME OF ITS DISPOSAL. THIS PRODUCT DOES NOT CONTA
IN ANY CERCLA REGULATED
MATERIALS.

===== 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 MAINTAIN EXPO SURE LIMIT 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:EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE PROVIDED IN ALL AREAS IN WHICH THIS PRODUCT IS HANDLED.

IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL RESISTANT SAFETY SHOES.

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

Supplemental Safety and Health

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ODUCT NAME: BRAYCO MICRONIC 882 (RED). MSDS CODE: 27009A.

SYNONYMS/TRADE NAME: SAME AS PRODUCT.

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

HCC:V6

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

pH:NA

Viscosity:NOT AVAILABLE

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

Solubility in Water:SLIGHT

Appearance and Odor:BRIGHT RED 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:EYES EFFECTS: MAY CAUSE IRRITATION. SKIN EFFECTS, CONTACT: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN EFFECTS, ABSORPTION: NO ACUTE EFFECTS EXPECTED. ACUTE ORAL EFFECTS

(INGESTION): THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, & ABDOMINAL PAIN. ACUTE INHALATION EFFECTS: INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION & DAMAGE TO THE RESPIRATORY TRACT. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD. CARCINOGENICITY: NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT >0.1% IS PRESENTLY LISTED AS CARCINOGEN BY IARC,NTP,OSHA

===== 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 REGULATIONS. DISPOSAL OF THIS MATERIAL TO THE LAND MAY BE BANNED BY FEDERAL LAW (40 CFR 268). THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER CURRENT U.S. EPA RCRA

DEFINITIONS OF HAZARDOUS
WASTE.

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

Transport Information:HAZARDOUS MATERIAL DESCRIPTION/PROPER SHIPPING
NAME: NOT REGULATED. HAZARD CLASS: SAME AS ABOVE. IDENTIFICATION
NUMBER (UN OR NA NUMBER): SAM AS ABOVE. PACKING GROUP: SAME AS
ABOVE. FREIGHT CLASS: TEL EPHONE NUMBER FOR TRANSPORT INSTRUCTIONS:
1-800-621-2661, SHEA DEPARTMENT.

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

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le III Information:HAZARDOUS PER OSHA 29 CFR 1910.1200: NO.

THERE ARE NO 313 CHEMICALS PRESENT ABOVE THRESHOLD VALUE. NO LISTED
INGREDIENTS ARE PRESENT ON THE SARA 302 LIST. SARA SECTION 311/312
HAZARD CLASS(ES): IMMEDIATE: NO. DELAYED: NO. FIRE: NO.
REACTIVITY: NO. SUDDEN RELEASE OF PRESSURE: NO.

Federal Regulatory Information:OTHER U.S. FEDERAL REGULATIONS: THIS
PRODUCT IS A MIXTURE AND IS NOT LISTED IN THE TSCA INVENTORY. THE
INDIVIDUAL INGREDIENTS IN THE PRODUCT AR
E LISTED IN THE TSCA

INVENTORY. US EPA HAZARDOUS WASTE NUMBERS: THIS PRODUCT AS
PURCHASED DOES NOT FALL UNDER CURRENT EPA RCRA DEFINITIONS OF
HAZARDOUS WASTE. UNDER RCRA IT IS THE GENERATOR'S RESPONSIBILITY TO
DETERMINE THE STATUS OF THE WASTE AT THE TIME OF ITS DISPOSAL.
CERCLA REPORTABLE QUANTITY: THIS PRODUCT DOES NOT CONTAIN ANY
CERCLA REGULATED MATERIALS.

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

Disclaimer (provided with this informa
tion by the compiling agencies):

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assume responsibility for the suitability of this information to their
particular situation.