

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO 589 --
6850-00-209-7231

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

Product ID:BRAYCO 589

MSDS Date:07/13/2000

FSC:6850

NIIN:00-209-7231

MSDS Number: CJGQF

=== 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

Countr

y:US

Info Phone Num:630-241-4000/800-621-2661

Emergency Phone Num:800-621-2661

Resp. Party Other MSDS Num.:27030A

Chemtrec Ind/Phone:(800)424-9300

CAGE:2R128

=== Contractor Identification ===

Company Name:AMERICAN INK AND OIL CORP

Address:33 ENDICOTT STREET

Box:City:NORWOOD

State:MA

ZIP:02062-3006

Country:US

Phone:781-762-0026 / FAX: 781-762-1617

Contract Num:SP0450-01-M-D135

CAGE:82956

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

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

Box:City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Phone:248-661-0260, FAX 248-661-3941

Contract Num:SP0450-00-M-D646

CAGE:6X798

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

Box:City:FARMINGTON HILLS

State:MI

ZIP:48331

formation on Ingredients =====

Ingred Name:NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT

CAS:25619-56-1

Minumum % Wt:1.

Maxumum % Wt:5.

ACGIH TLV:0.5 MG/M3,TWA

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

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 IRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCE 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. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD.

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

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION. INGESTION:

GASTROINTESTINAL DISTRESS, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN. INHALATION: RESPIRATORY TRACT IRRITATION AND DAMAGE.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL AID IF IRRITATION OCCURS. SKIN: WASH WITH PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL AID IF IRRITATION PERSISTS. 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 COMATOSA OR LETHARGIC, PLACE ON LEFT SIDE , HEAD DOWN. SEEK IMMEDIATE MEDICAL AID. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, PERFORM ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND AT REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL AID IMMEDIATELY.

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

Flash Point Method:COC

Flash Point:

=220.C, 428.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINER COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. FOR FIRES IN ENCLOSED AREAS FIREFIGHTERS MUST USE SELF CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER

ER
SUPPLY.

Unusual Fire/Explosion Hazard:HAZARDOUS PRODUCTS OF COMBUSTION: SMOKE, FUMES, CO, CO2, MINOR AMOUNTS OF VARIOUS HYDROCARBONS. PROPERTIES THAT COULD INCREASE FIRE OR EXPLOSION HAZARD: NONE KNOWN

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

Spill Release Procedures:LARGE SPILLS: WEAR PERSONAL PROTECTIVE GEAR. STOP SOURCE OF LEAK IF ABLE. DIKE, CONTAIN SPILL. RECOVER FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. SOAK UP RESIDUE WITH INERT AB

SORBENT (CLAY, SAND), STORE AND DISPOSE OF PROPERLY. FLUSH AREA WITH WATER. IF FEASIBLE, REMOVE CONTAMINATED SOIL. SMALL SPILLS: NEUTRALIZE, SOAK UP WITH INERT ABSORBENT. STORE IN CLOSED CONTAINER. 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.

Other Precautions:DISPOSAL OF THIS PRODUCT TO THE LAND MAY BE BANNED BY FEDERAL LAW (40 CFR 268).THIS PRODUCT DOES NOT CONTAIN ANY CERCLA REGULATED MATERIALS.

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

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

Ventilation:PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR LOCAL

OCAL

EXHAUST TO MAINTAIN EXPOSURE BELOW TLV OR PEL.

Protective Gloves:USE NEOPRENE TYPE GLOVES WHEN HANDLING PRODUCT.

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

Other Protective Equipment:WEAR IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL RESISTANT SAFETY SHOES TO MINIMIZE CONTACT. EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD 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 =====

HCC:V5

Boiling Pt:>343.3C, 650.F

Melt/Freeze Pt:M.P/F.P Text:N/D

Vapor Pres:NEGLIGIBLE

Vapor Density:N/D

Spec Gravity:0.9500, @60 F (H2O=1)

VOC Grams/Liter:.01

Viscosity:NOT AVAILABLE.

Evaporation Rate & Reference:NEGLIG (N-BUTYLACETATE=1)

Solubility in Water:< 0.1%

Appearance and Odor:AMBER FLUID, MILD ODOR.

Percent Volatiles by Volume:NEGLIGIBLE

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS; CAUSTIC OR ACIDIC SOLUTIONS.

Stability Condition to Avoid:NONE KNOWN. STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products:SMOKE, FUMES, CO, C02, MINOR AMOUNTS OF VARIOUS HYDROCARBONS.

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

Toxicological Information:CARCINOGENICITY: NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT >0.1% IS PRESEN

NOT LISTED AS A
CARCINOGEN BY IARC, NTP, OR OSHA.

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

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

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

Waste Disposal Methods:PRODUCT AS PURCHASED DOES NOT FALL UNDER CURRENT
US 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 DI
S POSAL. MAY BE DISPOSED OF BY CONTROLLED
INCINERATION. DISPOSE OF IN ACCORDNACE WITH LOCAL, STATE, AN D
FEDERAL REGULATIONS.

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

Transport Information:PROPER SHIPPING NAME: NOT REGULATED. HAZARD
CLASS: NOT REGULATED. UN/NA ID NUMBER: NOT REGULATED. PACKING
GROUP: NOT REGULATED. TELEPHONE NUMBER FOR TRANSPORT INSTRUCTIONS:
1-800-621-2661, SHEA DEPART MENT.

===== Regulatory Information =====
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SARA Title III Information:SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE
(EHS): NO LISTED INGREDIENTS ARE PRESENT ON THE 302 LIST. SECTION
311/312 HAZARD CLASS (ES): IMMEDIATE: YES; DELAYED: NO; FIRE: NO;
REACTIVITY: NO; SUDDEN REL EASE OF PRESSURE: NO. SECTION 313 TOXIC
CHEMICALS: CAS# 25619-56-1, NAPHTHALENESULFONIC ACED, DINONYL-
BARIUM SALT, 1.1000.

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

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

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

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