

CASTROL INC, BRAY PRODUCTS DIV. -- BRAYCO 589 -- 6850-00-209-7231

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

Product ID:BRAYCO 589

MSDS Date:12/05/1997

FSC:6850

NIIN:00-209-7231

MSDS Number: CGMTM

=== Responsible Party ===

Company Name:CASTROL INC, BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-660-9414

Emergency Phone Num:714-660-94

14

CAGE:KO468

=== Contractor Identification ===

Company Name:CASTROL INC, BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE230

Box:City:IRVINE

State:CA

ZIP:92714

Country:US

Phone:714-660-9414

CAGE:KO468

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:EMULTEC INDUSTRIAL PRODUCTS INC

Address:1150 HAYDEN DR SUITE 100

Box:City:CHARROLLTON
State:TX
ZIP:75006
Country:US
Phone:972-417-1288
CAGE:0WA27

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

Ingred Name:BARIUM DINONYL-NAPHTHALENESULFONATE
CAS:25619-56-1
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE IRRITATION, SKIN IRRITATION,
RESPIRATORY IRRITATION, GASTROINTESTINAL IRRITATION
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:EYE IRRITATION/REDNESS/TEARING/BLURRED VISION,
SKIN IRRITATION/DEFATTING/DERMATITIS, RESPIRATORY IRRITATION/NASAL
IRRITATION, DIZZINESS, NAUSEA, HEADACHE, UNCONSCIOUSNESS,
ASPHYXIATION, VOMITING, DIAR RHEA.
Medical C
ond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WIPE MATERIAL FROM SKIN.
WASH THOROUGHLY WITH SOAP AND WATER. EYES: FLUSH WITH WATER FOR 15
MINUTES. CONTACT A PHYSICIAN IF IRRITATION PERSISTS. INGESTION: DO
NOT INDUCE VOMITING; ASPIRATION HAZARD. CONSULT A PHYSICIAN
IMMEDIATELY. INHALATION: REMOVE FROM AREA OF EXPOSURE. ADMINISTER
OXYGEN IF DEEMED N
CESSARY. IF BREATHING HAS STOPPED, ADMINISTER
CPR. SEE MD.

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

Flash Point Method:COC
Flash Point:428F,220C
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM
Fire Fighting Procedures:USE WATER AS FOG OR SPRAY TO COOL FIRE EXPOSED
CONTAINERS. WEAR SELF CONTAINED BREATHING APPARATUS IN POSITIVE
PRESSURE MODE IN CONFINED AREAS.
Unusual Fire/Explosion Hazard:EMPTY CONTAI

NEERS MAY RETAIN PRODUCT

RESIDUE OR VAPORS WHICH CAN IGNITE EXPLOSIVELY; DO NOT CUT, DRILL OR WELD ON OR NEAR FULL OR EMPTY CONTAINERS.

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

Spill Release Procedures:DO NOT PERMIT PRODUCT TO ENTER STREAMS, SEWERS OR WATERWAYS. DIKE SPILL AND ELIMINATE LEAK. ABSORB WITH INERT MATERIAL AND STORE IN CLOSED CONTAINERS UNTIL DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED/REPEATED BREATHING OF VAPORS, MISTS, FUMES. KEEP CONTAINER CLOSED.
Other Precautions:DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

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

Respiratory Protection:NIOSH/MSHA-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATORY EQUIPMENT AS REQUIRED.
Ventilation:PROVIDE SUFFICIENT MECHANICAL, GENERAL AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. GREATER THAN 60 CFM RECOMMENDED
Protective Gloves:NEOPRENE GLOVES
Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GLASSES
Other Protective Equipment:IMPERVIOUS GARMENTS
Work Hygienic Practices:DO NOT TAKE ANY FOOD OR DRINK OR HANDLE TOBACCO PRODUCTS WHILE IN CONTACT WITH THIS PRODUCT. WASH THOROUGHLY AFTER USE.
Supplemental Safety and Health
DO NOT WEAR CONTAMINATED CLOTHING. LAUNDRY BEFORE RE-USE OR DISCARD.

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

HCC:N1
Boiling Pt:B.P. Text:>650F,>343C
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NEGLIGIBLE
Vapor Density:NOT GIVEN
Spec Gravity:0.95
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:AMBER FLUID, MILD ODOR
Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS,

CAUSTIC OR ACIDIC SOLUTIONS

Stability Condition to Avoid:HEAT, OPEN FLAME

Hazardous Decomposition Products:SMOKE, FUMES, CARBON MONOXIDE, CARBON DIOXIDE, MINOR AMOUNTS OF VARIOUS HYDROCARBONS

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

Waste Disposal Methods:ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELLED, TRANSPORTED AND DISPOSED OF OR RECLAIMED IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. DISPOSE OF BY METHOD IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.