

CASTROL INC, BRAY PRODUCTS DIV. -- BRAYCO 483 -- 6850-00-209-7230

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

Product ID:BRAYCO 483

MSDS Date:04/06/1998

FSC:6850

NIIN:00-209-7230

MSDS Number: CHMBK

=== 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(800-424-9300 CHEMTREC)

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:11

50 HAYDEN DR SUITE 100
Box:City:CHARROLLTON
State:TX
ZIP:75006
Country:US
Phone:972-417-1288
CAGE:0WA27

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Composition/Information on Ingredients
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Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE
CAS:64742-46-7
RTECS #:JN9379645
Fraction by Wt: 70-75%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED
(MILD), HEAVY PARAFFINIC
CAS:64742-54-7
RTECS #:PY8035500
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA
PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT MAY CAUSE IRRITATION. SKIN
CONTACT MAY CAUSE IRRITATION. INGESTION MAY CAUSE GASTROINTESTINAL
DISTRESS. INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE
IRRITATION AND DAMAGE TO RESPIRATORY TRACT. ASPIRATION HAZARD.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, GI TRACT
IRRITATION, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, RESPIRATORY
TRACT IRRITATION, RESPIRATORY TRACT DAMAGE.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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Fir

st Aid:INHALED: MOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. GIVE ARTIFICIAL RESPIRATION OF BREATHING STOPPED. SEE DOCTOR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES, HOLD LIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED COTHES. WASH WITH SOAP AND WATER. INGESTED: DO NOT INDUCE VOMITING; ASPIRATION HAZARD. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:495F,257C

Lower Limits:NOT GIVEN

Upp

er Limits:NOT GIVEN

Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR. USE WATER FOG OR SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:EMPTY CONTAINERS MAY CONTAIN RESIDUE OR VAPORS WHICH CAN IGNITE EXPLOSIVELY; DO NOT CUT, WELD, BRAZE ON OR NEAR FULL OR EMPTY CONTAINERS.

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

Spill Release Procedures:DO NOT A

LLOW PRODUCT TO ENTER SEWERS OR

WATERWAYS. CONTAIN SPILL AND ABSORB WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLES.

Other Precautions:AVOID PROLONGED OR REPEATED INHALATION OF VAPORS, MISTS, AND FUMES. KEEP CONTAINERS CLOSED.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR A SPILL OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE, OR SUPPLIED AIR RESPIRATOR, OR SCBA, AS APPROPRIATE. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NEOPRENE

Eye Protection:SAFETY GLASSES

Other Protective Equipment:IMPERVIOUS AS NEEDED TO PREVENT PROLONGED

OR

REPEATED SKIN CONTACT. HMIS: EYE WASH NEARBY RECOMMENDED.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:>500F,>260C

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:>1

Spec Gravity:0.86

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER FLUID, PETROLEUM HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:CONTACT WITH STRONG OXIDIZING AGENTS.

SOURCES OF IGNITION.

Hazardous Decomposition Products:SMOKE, FUMES, OXIDES OF CARBON, MINOR

AMOUNTS OF VARIOUS HYDROCARBONS AND SULFUR OXI

DES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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