

CASTROL INDUSTRIAL NORTH AMERICA INC -- BRAYCO 482 -- 6850-00-209-7234

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

Product ID:BRAYCO 482

MSDS Date:04/16/1999

FSC:6850

NIIN:00-209-7234

Status Code:A

MSDS Number: CJXZK

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC

Address:1001 WEST 31ST STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:800-621-2661

Eme

rgency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:27016A

Preparer's Name:NOT PROVIDED.

Chemtec 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:SP0450-00-M-D237

CAGE:2R128

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Addre

ss: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:SP0450-99-M-NE20

CAGE:2R128

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC.

Address:5511 DISTRICT BLVD

Box:City:LOS ANGELES

State:CA

ZIP:90040

Country:US

Phone:213-890-4420

CAGE:98308

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

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC

% Wt:1.
Maxumum % Wt:5.
Other REC Limits:TWA 5 MG/M3 (MFR)

Ingrid Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038500
Minumum % Wt:30.
Maxumum % Wt:35.
Other REC Limits:TWA 5 MG/M3 (MFR)

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

LD50 LC50 Mixture:NOT PROVIDED.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECT
S: EYE: MAY

CAUSE EYE IRRITATION. SKIN CONTACT: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT. CHRONIC: 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.

Effects of Overexposure:INGESTION-SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN.

Medical Cond Aggravated by Exposure:NOT PROVIDED.

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

First Aid:EYE-FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN-WASH SKIN WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION-ASPIRATION HAZARD: DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING OCCURS, OR COMATOSE, OR LETHARGIC, PLACE ON LEFT SIDE WITH HEAD DOWN. SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION-REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM CPR. KEEP PERSON WARM & AT REST. GET MEDICAL ATTENTION IMMEDIATELY.

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===== Fire Fighting Me

asures =====

Flash Point Method:COC

Flash Point:=257.2C, 495.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 RUN

OFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER.

Unusual Fire/Explosion Hazard:NOT PROVIDED.

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

Spill Release Procedures: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 SUITABLE MATERIAL; STORE & DISPOSE OF PROPERLY. FLUSH A

REA WITH WATER. WHERE FEASIBLE & APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL SPILL: NEUTRALIZE &/OR SOAK UP SPILL WITH INERT ABSORBENT.

Neutralizing Agent:NOT RELEVANT.

===== 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 P
recautions:NOT PROVIDED.

===== 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 EXPOSURE BELOW TLV. GREATER THAN 60F3/MIN RECOMMENDED.

Ventilation:PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV.

GREATER THAN 60F3/MIN
RECOMMENDED.

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.

Work Hygienic Practices:IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL
RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTACT. WASH
CONTAMINATED CLOTHING WITH SOAP AND WATER AND D
RY BEFORE REUSE.

Supplemental Safety and Health
NONE

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

HCC:V5

NRC/State Lic Num:NOT RELEVANT.

Boiling Pt:>260.C, 500.F

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

Decomp Temp:Decomp Text:NOT PROVIDED.

Vapor Pres:NOT DETERMINED.

Vapor Density:>1

Spec Gravity:0.8600(H2O=1)

pH:NOT APPLICABLE.

Viscosity:NOT PROVIDED.

Evaporation Rate & Reference: