

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO 483 --  
6850-00-209-7230

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

Product ID:BRAYCO 483  
MSDS Date:07/13/2000  
FSC:6850  
NIIN:00-209-7230  
Status Code:A  
MSDS Number: CLNYG  
=== Responsible Party ===  
Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS  
DIV  
Address:1001 WEST 31ST STREET  
City:DOWNERS GROVE  
State:IL  
ZIP:605  
15-1280  
Country:US  
Info Phone Num:800-621-2661/ FAX: 630-241-4140  
Emergency Phone Num:(800)424-9300  
Preparer's Name:NOT PROVIDED  
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  
CAGE:2R128  
Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT  
Address:2275 TUCKER INDUSTRIA  
L RD  
Box:City:TUCKER  
State:GA  
ZIP:30084  
Country:US  
Phone:770-938-4513/FAX 770-938-3966  
Contract Num:SP0450-02-M-M025  
CAGE:1MDA6

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

Ingred Name:DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE  
CAS:64742-46-7  
RTECS #:JN9379645  
Minimum % Wt:70.  
Maximum % Wt:75.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC

Y8035500

Minumum % Wt:1.

Maxumum % Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

===== 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 EFFECTS: EYE: MAY

CAUSE IRRITATION. SKIN CONTACT: CONCENTRATE MAY CAUSE 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. CHRONIC EFFECTS : NO OBVIOUS LONG-TERM 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: MAY CAUSE IRRITATION. SKIN CONTACT:

CONCENTRATE MAY CAUSE IRRITATION. 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 TO THE RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYE: IN CASE OF CONTACT, FLUS

H EYES WITH PLENTY OF WATER. GET

MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN: IN CASE OF CONTACT, WASH SKIN WITH PLENTY OF SOAP AND WATER. USE SKIN CREAM. 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 COMATOSA, OR LETHARGIC, PLACE ON LEFT SIDE WITH HEAD DOWN. SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE FROM EXOSURE TO FRESH

AIR. IF

BREATHING HAS STOPPED PERFORM ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND AT REST. GET MEDICAL ATTENTION IMMEDIATELY.

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

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:DRY CHEMICAL, FOAM, CARBON DIOXIDE

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 SUPPLY.

Unusual Fire/Explosion Hazard:NOT PROVIDED

===== 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/ OTHER MATERIAL;

DISPOSE OF PROPERLY. FLUSH AREA WITH WATER. WHERE FEASIBLE AND

APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL SPILL: NEUTRALIZE

AND/OR SOAK UP SPILL WITH INERT ABSORBENT.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:MAINTAIN AMBIENT TEMPERATURES. AVOID

P

ROLONGED/REPEATED BREATHING OF VAPORS, MISTS, FUMES. KEEP

CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG

OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

Other Precautions:NOT PROVIDED

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEEDS PERMISSIBLE

EXPOSURE LIMIT.

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

EXH

AUST TO MAINTAIN EXPOSURE BELOW ANY APPLICABLE TLV OR PEL.

Protective Gloves:NEOPRENE

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

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTACT.

EMERGENCY SHOWER/ EYEWASH FACILITY SHOULD BE PROVIDED IN ALL AREAS IN WHICH THIS PRODUCT IS HANDLED

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE.

N/AV = NOT AVAILABLE. N/K =

UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

===== 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:0.8700 +/- 0.01

Viscosity:NOT AVAILABLE

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

Solu

bility in Water:INSOLUBLE

Appearance and Odor:AMBER FLUID, PETROLEUM HYDROCARBON ODOR

Percent Volatiles by Volume:N/D

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:SMOKE, FUMES, OXIDES OF CARBON, MINOR AMOUNTS OF VARIOUS HYDROCARBONS AND OXIDES OF SULFUR AND NITROGEN.

===== Toxicological

Information =====

Toxicological Information: EYE EFFECTS: MAY CAUSE EYE IRRITATION. SKIN EFFECTS: 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 AND ABDOMINAL PAIN. ACUTE INHALATION EFFECTS: 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 HAZARDS.

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

Ecological: 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 EPA RCRA DEFINITIONS OF HAZARDOUS WASTE. UNDER RCRA IT IS GENERATOR'S RESPONSIBILITY TO DETERMINE STATUS OF THE WASTE AT THE TIME OF ITS DISPOSAL.

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

Transport Information: PETROLEUM OIL, NOT REGULATED IN CONTAINERS LESS THAN 3500 GALLONS. TELEPHONE NUMBER FOR TRANSPORTATION INSTRUCTIONS: 1-800-621-2661, SHEA DEPARTMENT.

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

SARA Title III Information: SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE: NO LISTED INGREDIENTS ARE PRESENT ON THE 302 LIST. SECTION 311/312 HAZARD CLASS(ES): IMMEDIATE: YES. SECTION 313 TOXIC CHEMICALS: THERE ARE NO 313 CHEMICALS PRESENT ABOVE THRESHOLD VALUES. Federal Regulatory Information: HAZARDOUS PER OSHA 29 CFR 1910.1200. OTHER U.S. FEDERAL REGULATIONS: THIS PRODUCT IS A MIXTURE AND IS NOT LISTED IN THE TSCA INVENTORY. THE INDIVIDUAL INGREDIENT

S IN THE

PRODUCT ARE 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.

State Regulatory Information:NOT PROVIDED

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

Disclaimer (provided with this information by the compiling agencies):

T

his 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.