

CASTROL INDUSTRIAL NORTH AMERICA INC -- BRAYCO 855 SEE PRODUCT DATA SHEET --
9150-00-292-9687

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

Product ID:BRAYCO 855 SEE PRODUCT DATA SHEET

MSDS Date:04/16/1999

FSC:9150

NIIN:00-292-9687

MSDS Number: CJNVB

=== 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

Emergency Phone Num:800.424.2661

Resp. Party Other MSDS Num.:27023A

Preparer's Name:NA

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

CAGE:2R128

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City

:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

Contract Num:SP0450-00-Q-A062

CAGE:1MDA6

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

Contract Num:SP0450-99-M-B014

CAGE:0A9L8

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

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

==== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: CONCENTRATE WILL CAUSE EYE IRRITATION. SKIN CONTACT: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA & 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:EYE: CONCENTRATE WILL CAUSE EYE IRRITATION. SKIN CONTACT: CONCENTRATE MAY CAUSE SKIN IRRITATION. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA & ABDOMINAL PAIN. INHALATION: INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES-FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN: WASH SKIN WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS . WASH CLOTHING BEFORE REUSE. USE SKIN CREAM FOR DEFATTED AREAS. INGESTED-DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH SINCE MATERIAL CAN ENTER LUNGS & CAUSE DAMAGE. SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:=-162.8C, 325.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:WEAR SELF CONTAINED BREATHING APPARATUS WHEN FIRE FIGHTING IN A CONFINED SPACE. COOL FIRE EXPOSED CONTAINERS WITH WATERSPRAY TO PREVENT RUPTURE.

Unusual Fire/Explosion Hazard:POTENTIAL COMBUSTION PRODUCTS ARE OXIDES OF CARBON AND S

ULFUR.

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

Spill Release Procedures:LARGE: WEAR APPROPRIATE PROTECTIVE CLOTHING. STOP LEAK AT SOURCE IF POSSIBLE. DIKE, CONTAIN & RECOVER FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. SOAK UP RESIDUE WITH INERT ABSORBENT. REMOVE CONTAMINATED SOIL IF FEASIBLE/APPROPRIATE. SMALL: NEUTRALIZE AND/OR SOAK UP WITH INERT ABSORBENT. STORE IN A CLOSED CONTAINER & DISPOSE OF PROPERLY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:GOOD INDUSTRIAL HYGIENE PRACTICES RECOMMEND THAT ENGINEERING CONTROLS BE USED TO REDUCE ENVIRONMENTAL CONCENTRATIONS TO THE THRESHOLD LIMIT VALUE (TLV) OR PERMISSIBLE EXPOSURE LIMIT (PEL). IF ANY ASSOCIATED TLV OR PEL IS EXCEEDED, PROVIDE NIOSH APPROVED RESPIRATORY PROTECTION.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:USE NEOPRENE TYPE GLOVES WHEN HANDLING THIS PRODUCT.

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

Other Protective Equipment:APPROPRIATE CLOTHING TO AVOID SKIN CONTACT. EYE WASH FACILITY.

Work Hygienic Practices:GOOD INDUSTRIAL HYGIENE PRACTICES.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:V6

Boiling Pt:>204.4C, 400.F

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

Vapor Pres:N/D

Vapor Density:N/D

Spec Gravity:0.8300

Viscosity:N/D

Solubility in Water:NEGLIGIBLE

Appearance and Odor:DARK RED FLUID, MILD ODOR

===== Stability and Reacti

vity Data =====

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZERS.

Stability Condition to Avoid: STABLE UNDER NORMAL CONDITIONS. AVOID HEAT
& SOURCES OF IGNITION.

Hazardous Decomposition Products: POTENTIAL COMBUSTION PRODUCTS ARE
OXIDES OF CARBON & SULFUR.

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

Toxicological Information: USING TERMINOLOGY OF THE INTERNATIONAL AGENCY
FOR THE RESEARCH ON CANCER (IARC), THE PETROLEUM DISTILLATES LISTED

ARE CLASSIFIED BY THE SUPPLIER AS SEVERELY PROCESSED. NOT ALL THOSE
LISTED IN SECTION II MAY BE PRESENT. THE SUPPLIER HAS STATED THAT
THESE DISTILLATES DO NOT REQUIRE A CARCINOGEN LABEL AS DEFINED BY
OSHA 29 CFR 1910.1200.

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

Ecological: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE &
FEDERAL REGULATIONS. DISPOSAL OF THIS MATERIAL MAY BE BANNED BY
FEDERAL LAW (40 CFR 268). MAY BE DISPOSED OF BY CONTROLLED
INCINERATION.

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

Transport Information: HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING
NAME: NOT REGULATED.

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

SARA Title III Information: SARA TITLE III, SECTION 311/312: FIRE-NO,
REACTIVITY-NO, IMMEDIATE-YES, DELAYED-NO, SUDDEN

RELEASE-NO.

SECTION 313: NO SECTION 313 CHEMICALS PRESENT.

Federal Regulatory Information: THIS MATERIAL IS REGULATED AS USED OIL BY EPA. UNDER THE USED OIL MANAGEMENT STANDARDS (40 CFR 279) EPA PRESUMES USED OIL WILL BE RECYCLED. IF IT IS, NO CHARACTERISTIC DETERMINATION IS REQUIRED PROVIDED ALL PARTIES COMPLY WITH PART 279. THESE STANDARDS APPLY UNTIL THE USED OIL IS DISPOSED OF OR SENT FOR DISPOSAL. INDIVIDUAL STATE & LOCAL REGULATIONS MAY DIFFER FROM FEDERAL REGULATIONS. THIS PRODUCT IS A MIXTURE AND IS NOT LISTED IN THE TSCA INVENTORY. THE INDIVIDUAL INGREDIENTS ARE LISTED IN TSCA.

State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

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

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