

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCOTE 804 --
9150-01-007-4384

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

Product ID:BRAYCOTE 804

MSDS Date:04/16/1999

FSC:9150

NIIN:01-007-4384

Status Code:A

MSDS Number: CJFHR

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

City:DOWNERS

State:IL

ZIP:60515

-1280

Country:US

Info Phone Num:630-241-4000

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:25007A

Chemtrec Ind/Phone:(800)424-9300

CAGE:2R128

=== Contractor Identification ===

Company Name:CASTROL INC.,BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE 230

City:IRVINE

State:CA

ZIP:92714

Country:US

Phone:714-660-9414/ABROAD 202-4837616COLL

CAGE:EO288

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

Box:City:DOWNERS GROV

E

State:IL

ZIP:60515-1280

Country:US

Phone:800-621-2661/ FAX: 630-241-4140

Contract Num:SP0450-99-M-D177

CAGE:2R128

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:SPO450-00-M-C023

CAGE:2R128

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

Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE EYE

IRRITATION. CONTACT WITH CONCENTRATE MAY CAUSE SKIN IRRITATION. NO ACUTE EFFECTS ARE EXPECTED FROM SKIN ABSORPTION. INGESTION OF THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS. INHALATION OF DECOMPOSITION PRODUCTS OR OF

SMOKE MAY INDUCE POLYMER FUME FEVER.

CHRONIC: 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:EYES-IRRITATION. SKIN-IRRITATION.

INGESTED-NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN. INHALED-LUNG IRRITATION, PULMONARY EDEMA, FLU-LIKE SYMPTOMS (EG FEVER, CHILLS).

Medical Cond Aggravated by Exposure:NO MEDICAL CONDITIONS ARE KNOWN TO

BE AGGRAVATED BY EXPOSURE.

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

First Aid:EYES-FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN-WASH THOROUGHLY WITH SOAP & WATER. OBTAIN IMMEDIATE MEDICAL ATTENTION IF GREASE INJECTED UNDER SKIN. INGESTED-DO NOT INDUCE VOMITING! IMMEDIATELY GIVE TWO GLASSES OF CHARCOAL SLURRY OR PLAIN WATER. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS

PERSON CONTACT A PHYSICIAN. INHALED-REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. ADMINISTER OXYGEN IF NEEDED.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:N/D

Extinguishing Media:NOT A FIRE HAZARD.

Fire Fighting Procedures:FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUN-OFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.

Unusual Fire/Explos

ion Hazard: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.

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

Spill Release Procedures:SCRAPE UP EXCESS GREASE AND STORE IN CLOSED CONTAINERS UNTIL DISPOSAL. CLEAN UP AREA WITH APPROPRIATE CLEANER. STORE IN METAL CONTAINER UNTIL DISPSOAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== 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 Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEEDS PERMISSIBLE EXPOSURE LIMIT.
Ventilation:NOT NORMALLY REQUIRED. PROVIDE EXHAUST IF TEMERATURE IS EXPECTED TO EXCEED 300C.
Protective Gloves:USE NEOPRENE TYPE GLOVES WHEN HANDLING THIS PRODUCT.
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.
Work Hygienic Practices:WASH CONTAMINATED CLOTHING WITH SOAP AND WATER AND DRY BEFORE REUSE.
Supplemental Safety and Health
EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE PROVIDED IN ALL AREAS IN WHICH THIS PRODUCT IS HANDLED.

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

HCC:V6
Melt/Freeze Pt:M.P/F.P Text:N/D
Decomp Temp:>260.C, 500.F
Vapor Pres:N/D
Vapor Density:N/D
Spec Gravity:1.9
Solubility in Water:INSOLUBLE
Appearance and Odor:WHITE COLORED GREASE. ODORLESS

===== Stability and Reactivi

ty Data =====

Stability Indicator/Materials to Avoid: YES

ACTIVE METALS, METAL OXIDES, LEWIS ACID CATALYSTS, STRONG OR NON-AQUEOUS ALKALI.

Stability Condition to Avoid: NONE KNOWN.

Hazardous Decomposition Products: DECOMPOSITION AT HIGH TEMPERATURES (>200C) YIELDS HYDROGEN FLUORIDE, CARBONYL FLUORIDE, AND OTHER ACID FLUORIDES.

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

Toxicological Information: MAY CAUSE EYE IRRITATION. CONTACT WITH CONCENTRA

TE MAY CAUSE SKIN IRRITATION. INGESTION MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA & ABDOMINAL PAIN. INHALATION: INHALATION OF DECOMPOSITION PRODUCTS OR OF SMOKE MAY CAUSE RESPIRATORY IRRITATION AND INDUCE POLYMER FUME FEVER WITH SYMPTOMS OF LUNG IRRITATION, PULMONARY EDEMA, FLU-LIKE SYMPTOMS (FEVER, CHILL). CHRONIC EFFECTS: A REVIEW OF SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT.

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

Ecological: NO SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT.

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

Waste Disposal Methods: ALL RECOVERED MATERIAL SHOULD BE PACKAGED, TRANSPORTED AND DISPOSED OF (OR RECLAIMED) USING GOOD ENGINEERING PRACTICES. DISPOSAL METHOD MUST BE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS REGARDING HEALTH, AIR, WATER AND POLLUTION. DO NOT BURN MATERIALS CONTAMINATED WITH THIS PRODUCT.

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

Transport Information: NOT REGULATED FOR TRANSPORTATION.

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

SARA Title III Information: SARA 312/311: IMMEDIATE-YES; DELAYED-NO; FIRE-NO; REACTIVITY-NO; SUDDEN RELEASE OF PRESSURE. SECTION 313-NO DATA SHOWN.

Federal Regulatory Information: HAZARDOUS PER OSHA 29 CFR 1910.1200: YES. THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER CURRENT US 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. THIS PRODUCT IS A MIXTURE AND NOT LISTED IN THE TSCA INVENTORY. THE INDIVIDUAL INGREDIENTS IN THE PRODUCT ARE LISTED IN THE TSCA INVENTORY.

State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

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

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