

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 GROVE

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:DOWNS 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 =====

Ingred Name:NON HAZARDOUS INGREDIENTS

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

LD50 LC50 Mixture:NONE SP
ECIFIED 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 ETTECTS ARE EXPECTED FROM SKIN ABSORPTION. INGESTION OF THIS
PRODUCT MAY CAUSE GASTROINTESTINAL DI STRESS. 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.

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===== 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 ANY THING 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/Explosion 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 DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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 TEMPERATURE 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 Reactivity 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 CONCENTRATE MAY CAUSE SKIN IRRITATION. INGESTION MAY CAUSE GASTROINTESTINAL

TINAL DISTRESS WITH SYMPROMS OF NAUSEA, VOMITING,
DIARRHEA & ABDOMINAL PAIN. INHALATION: I NHALATION OF DECOMPOSITION
PRODUCTS OROF SMOKE MAY CAUSE RESPIRATORY IRRITATION AND INDUCE
POLYMER FUME FEVER WITH SYMPTOMS OF LUNG IRRITATION, PULMONARY
EDEMA, FLU-LIKE SYMPTOMS (FEVER, CHILL). CHRON IC EFFECTS: A REVIEW
OF SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT.

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

Ecological:NO SPECIFIC ECOLOGICAL DA
TA 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 =====
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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 RESPONNSIBILITY TO DETERMIN E THE STATUS OF THE WASTE
AT THE TIME OFITS 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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