

CASTROL INDUSTRIAL NORTH AMERICA INC. -- BRAYCOTE 602 EF -- 9150-01-065-6524  
===== Product Identification =====

Product ID:BRAYCOTE 602 EF

MSDS Date:04/16/1999

FSC:9150

NIIN:01-065-6524

MSDS Number: CHWZP

=== 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

Emerg

ency Phone Num:800-621-2661/800-424-9300(CHEMTREC)

CAGE:CASTI

=== Contractor Identification ===

Company Name:CASTROL INDUSTRIAL INC

Address:1001 W 31ST

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Phone:708-241-4000

CAGE:CASTI

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-D-0394

CAGE:2R128

===== Comp

osition/Information on Ingredients =====

Ingred Name:MOLYBDENUM DISULFIDE  
CAS:1317-33-5  
RTECS #:QA4697000  
Fraction by Wt: 5 - 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG MO/M3  
ACGIH TLV:10 MG MO/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN  
, RESPIRATORY  
& GASTROINTESTINAL TRACTS. ACUTE- EYE: MAY CAUSE IRRITATION. SKIN:  
MAY CAUSE IRRITATION. INHALE: EXPOSURE TO DECOMPOSITION PRODUCTS  
CAUSES LUNG IRRITATION, PULMON ARY EDEMA. ORAL: MAY CAUSE  
GASTROINTESTINAL DISTRESS, ABDOMINAL PAIN. CHRONIC- UNKNOWN.  
Explanation of Carcinogenicity:NONE.  
Effects of Overexposure:IRRITATION, REDNESS, SWELLING, NAUSEA,  
VOMITING, DIARRHEA, BLURRED VISION, TEARING, DEFATTING OF SKIN,  
HEADACHE, DIZZINESS

===== F  
irst Aid Measures =====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: IMMEDIATELY FLUSH WITH  
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH SOAP &  
WATER. ORAL : DO NOT INDUCE VOMITING. IF CONSCIOUS,DRINK 2 GLASSES  
OF CHARCOAL SLURRY OR PLAIN WATER. SEEK IMMEDIATE MEDICAL  
ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measure  
s =====

Flash Point:NONE  
Lower Limits:NOT RELEVANT  
Upper Limits:NOT RELEVANT  
Extinguishing Media:USE CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER  
SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.  
Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA  
WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.

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

Spill Release Procedures:SCOOP UP EXC

ESS GREASE, WIPE UP WITH RAGS,  
PICK-UP RESIDUE WITH INERT ABSORBENT MATERIAL SUCH AS DIATOMACEOUS  
EARTH, SAND OR VERMICULITE. SWEEP UP AND TRANSFER TO A CONTAINER  
FOR PROPER DISPOSAL. CLEAN AREA WITH APPROPRIATE CLEANER.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AT AMBIENT TEMPERATURES. KEEP  
AWAY FROM STRONG OXIDIZERS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT  
IN USE. KEEP OUT OF  
REACH OF CHILDREN.

Other Precautions:DO NOT GET IN EYES. MINIMIZE SKIN CONTACT. WASH  
THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE  
REUSE. DO NOT STORE NEAR FLAME.

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

Respiratory Protection:NONE NORMALLY NEEDED. IF WORKING IN CONFINED  
AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES  
EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS, WEAR NIOSH-APPROVED  
ORGANIC VAPOR AND MIST R  
ESPIRATOR (REFER TO 29 CFR 1910.134)

Ventilation:ADEQUATE

Protective Gloves:NEOPRENE TO MINIMIZE SKIN CONTACT

Eye Protection:CHEMICAL GOGGLES/SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

PERCENTAGE AND/OR FORMULA CHANGED. FOR PREVIOUS

CONCENTRATION/FORMULATION SEE PNI A OR B, SAME NSN.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Decomp Temp:>260.C, 500.F

Vapor Pres:NEGLIGIBLE

Spec Gravity:1.9

Solubility in Water:INSOLUBLE

Appearance and Odor:GREY COLORED GREASE - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

LEWIS ACID CATALYSTS, STRONG OR NON-AQUEO

US ALKALI, ACTIVE METALS,  
METAL OXIDES AT TEMPERATURES > 280C/536F

Stability Condition to Avoid: EXCESSIVE HEAT

Hazardous Decomposition Products: SULFUR DIOXIDE, HYDROGEN FLUORIDE,  
CARBONYL FLUORIDE AND OTHER ACID FLUORIDES

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

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Disposal Considerations  
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Waste Disposal Methods: THIS PRODUCT, AS PURCHASED, DOES NOT MEET THE RCRA CRITERIA OF A HAZARDOUS WASTE. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. CONSULT LOCAL, STATE OR FEDERAL AUTHORITIES.

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MSDS Transport Information  
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Transport Information: NOT REGULATED.

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Regulatory Information  
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SARA Title III Information: SECTION 311/312 HAZARD CLASS: IMMEDIATE: YES; DELAYED: NO. FOR

SECTION 313: THERE ARE NO 313 CHEMICALS PRESENT ABOVE THRESHOLD VALUES.

Federal Regulatory Information: THIS PRODUCT IS A MIXTURE AND IS NOT LISTED IN THE TSCA INVENTORY. THE INDIVIDUAL INGREDIENTS IN THE PRODUCT ARE LISTED IN THE TSCA INVENTORY.

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