

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCOTE 602 EF --
9150-01-065-6524

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

Product ID:BRAYCOTE 602 EF

MSDS Date:12/30/1999

FSC:9150

NIIN:01-065-6524

Status Code:A

MSDS Number: CKSCW

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

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)424-9300

Resp. Party Other MSDS Num.:25034A

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

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

Ingred Name

:MOLYBDENUM SULFIDE

CAS:1317-33-5

RTECS #:QA4697000

Minumum % Wt:5.

Maxumum % Wt:10.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE: MAY CAUSE EYE IRRITATION. SKIN:

CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION: THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS. INHALATI

ON: INHALAT ION OF DECOMPOSITION

PRODUCTS (OCCURS IF HEATED >330 C) OR OF SMOKE FROM CONTAMINATED TABACCO PRODUCTS MAY CAUSE RESPIRATORY IRRITATION AND INDUCE POLYMER FUME FEVER CONDITION. CHRONIC: A REVIEW OF TH E LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD.

Explanation of Carcinogenicity:NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT >0.1% IS PRESENTLY LISTED AS A CAARCINOGEN BY IARC, NTP OR OSHA UNLESS OTHERWISE NOTED IN SECTION P - OTHER INFORMATION.

Effect

s of Overexposure:INHALATION: SYMPTOMS OF EXPOSURE TO

DECOMPOSITION PRODUCTS ARE: LUNG IRRITATION, PULMONARY EDEMA, FLU-LIKE SYMPTOMS (EXAMPLE-FEVER CHILLS). EYE: IRRIATATION. SKIN: SKIN IRRITATION. INGESTION: SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN.

Medical Cond Aggravated by Exposure:NO MEDICAL CONDITIONS ARE KNOWN TO BE AGGRAVATED BY EXPOSURE.

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

First Aid:EYE: IN CASE OF CONTACT, FLUSH

EYES WITH PLENTY OF WATER. GET

MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN: IN CASE OF CONTACT, WASH THOROUGHLY WITH SOAP AND WATER. OBTAIN SIMMEDIATE MEDICAL ATTENTION IF GREASE IS INJECTED UNDER THE SKIN. INGESTION: 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 PER SON. CONTACT A PHYSICIAN. INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. ADMINISTER

OXYEN IF DEEMED

NECESSARY. POLYMER FUME FEVER SYMPTOMS SHOULD SUBSIDE WITHIN 24 HOURS.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:ND

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:NOT A FIRE HAZARD.

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:NONE KNOWN

===== 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.

===== Handling and S

torage =====

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

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEED PERMISSIBLE EXPOSURE LIMIT.

Ventilation:NOT NORMALLY REQUIRED; PROVIDE EXHAUST IF TEMPERATURE IS EXPECTED TO EXCEED 300 C.

Protective Gloves:USE NEOPRENE TYPE GL

OVES WHEN HANDLING THIS PRODUCT.

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

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING & 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:WASH CONTAMINATED CLOTHING WITH SOAP AND WATER AND DRY BEFORE REUSE.

Supplemental Safety and Health

===== Physical

/Chemical Properties =====

HCC:N1

Boiling Pt:=260.C, 500.F

B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:ND

Vapor Pres:1X10-13 MM HG

Vapor Density:ND

Spec Gravity:1.9000 +/-

pH:NA

Viscosity:NA

Evaporation Rate & Reference:NA

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY COLORED GREASE; ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ACTIVE METALS, METAL OXIDES AT TEMPERTURES >280 C, LEWIS AC ID

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; SULFUR DIOXIDE.

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

Toxicological Information:EYE EFFECTS: MAY CAUSE EYE IRRITATION. SKIN EFFECTS, CONTACT: CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN EFFECTS,ABSORPTION: NO ACUTE EFF

ECTS EXPECTED. ACUTE ORAL EFFECTS

(INGESTION): THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF ANUSEA, VOMITING, DIARRHEA, & ABDOMINAL PAIN. ACUTE INHALATION EFFECTS: INHALATION OF DECOMPOSITION PRODUCTS (OCCURS IF HEATED >330 C) OR OF SMOKE FROM CONTAMINATED TABACCO PRODUCTS MAY CAUSE RESPIRATORY IRRITATION AND INDUCE POLYMER FUME FEVER CONDITION. CHRONIC: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD.

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Ecological Information =====

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

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Disposal Considerations =====

Waste Disposal Methods: THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER CURRENT U.S. 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.

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MSDS Transport Information =====

Transport Information: NOT REGULATED. TELEPHONE NUMBER FOR TRANSPORT INSTRUCTIONS: 1-800-621-2661, SHEA DEPARTMENT.

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Regulatory Information =====

SARA Title III Information: SECTION 311/312 HAZARD CLASS(ES): IMMEDIATE-YES. DELAYED-NO. FIRE-NO. REACTIVITY-NO. SUDDEN RELEASE OF PRESSURE-NO. SECTION 313 TOXIC CHEMICALS: THERE ARE NO 313 CHEMICALS ABOVE THRESHOLD VALUE.

Federal Regulatory Information: HAZARDOUS PER OSHA 29 CFR 1910.1200: YES. CERCLA/EPCRA: SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS): NO LISTED INGREDIENTS ARE PRESENT ON THE 302 LIST. 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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Other Information =====

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