

CASTROL INDUSTRIAL NORTH AMERICA INC. -- BRAYCO 650, LUBRICATING PRODUCT --  
9150-00-949-0323

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

Product ID:BRAYCO 650, LUBRICATING PRODUCT

MSDS Date:09/25/1990

FSC:9150

NIIN:00-949-0323

MSDS Number: BJNYF

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC.

Address:1001 WEST 31ST STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

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Info Phone Num:800-621-2661

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

Preparer's Name:KAREL WRIGHT

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

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Composition/Information on Ingredients  
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Ingred Name:TETRAFLUOROETHYLENE TELOMER  
Fraction by Wt: 25% %  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NONE ESTABLISHED  
ACGIH TLV:NONE ESTABLISHED

Ingred Name:DIISOPROPYL HYDROGEN PHOSPHITE  
Fraction by Wt: 74% %  
Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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LD50 LC50 Mixture:NOT PROVIDED 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:MAY CAUSE MODERATE EYE IRRITATION.  
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION. AVOID  
INHALATION OF MISTS OR VAPORS AS MAY CAUSE RESPIRATORY IRRITATION.  
INHALATION OF DECOMPOSITION PRODUCT S MAY RESULT IN "POLYMER FUME  
FEVER" CONDITION.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS NO MATERIALS  
CURRENTLY LISTED AS CARCINOGENS BY NTP, IARC OR OSHA.

Effects of Overexposure:  
MODERATE EYE IRRITATION, REDNESS, TEARING. SKIN  
IRRITATION, DEFATTING, DERMATITUS. NASAL/RESPIRATORY IRRITATION,  
LUNG IRRITATION, PULMONARY EDEMA, "FLU-LIKE" SYMPTOMS FROM EXPOSURE  
TO DECOMPOSITION PR ODUCTS.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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First Aid Measures  
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First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF CLEAN WATER FOR AT LEAST 15  
MINUTES. CONTACT A PHYSICIAN IF IRRITATION PERSISTS. SKIN: REMOVE  
CONTAMINATED C  
LOTHING. WIPE MATERIAL FROM SKIN. WASH THOROUGHLY  
WITH SOA P AND WATER. INHALATION: REMOVE FROM AREA OF EXPOSURE.  
ADMINISTER OXYGEN IF DEEMED NECESSARY. POLYMER FUME FEVER CONDITION  
SHOULD SUBSIDE WITHIN 24 HOURS. INGESTION: DO NOT INDUCE VOMITING.  
GET DOCTOR

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Fire Fighting Measures  
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Flash Point:NONE  
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.  
Fire Fighting Procedures:USE WATER AS FOG OR SPRAY TO COOL FIRE EXPOSED  
CONTAIN

RS. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Unusual Fire/Explosion Hazard:DECOMPOSITION OF PRODUCT AT FLAME TEMPERATURES WILL PRODUCE POTENTIALLY TOXIC COMPOUNDS; EVACUATE PERSONNEL TO SAFE AREA.

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

Spill Release Procedures:ABSORB WITH INERT MATERIAL AND STORE IN CLOSED CONTAINERS UNTIL DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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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

Other Precautions:DO NOT STORE NEAR STRONG OXIDANTS, REACTIVE METALS. MAINTAIN ADEQUATE VENTILATION. NOTICE-THIS PRODUCT MAY CONTAIN A CHEMICAL THAT HAS BEEN LISTED UNDER CALIFORNIA'S PROPOSITION 65 AS A REPRODUCTIVE TOXIN OR CARCINOGEN.

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

Respiratory Protection:CHEMICAL CARTRIDGE RESPIRATOR OR SUPPLIED AIR RESPIRATORY EQUIPMENT AS REQUIRED.

Ventilation:NOT NORMALLY REQUIRED. LOCAL EXHAUST, IN ADDITION TO GENERAL VENTILATION WHEN TEMPERATURES ARE EXPECTED TO EXCEED 300C.

Protective Gloves:IMPERVIOUS TYPE GLOVES, SUCH AS NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES, SAFETY GLASSES

Other Protective Equipment:IMPERVIOUS GARMENTS AS REQUIRED.

Work Hygienic Practices:DO NOT WEAR CONTAMINATED CLOTHING. LAUNDER

BEFORE RE-USE OR DISCARD. DO NOT TAKE FOOD OR DRINK, OR HANDLE TOBACCO WHILE

Supplemental Safety and Health

USING THIS PRODUCT; WASH THOROUGHLY AFTER USE.

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

HCC:V6

Boiling Pt:B.P. Text:>600F,>316C

Spec Gravity:1.23

Solubility in Water:INSOLUBLE

Appearance and Odor:CREAM TO TAN SEMI-FLUID COMPOUND, MILD ODOR.

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

Stability Indicator/Mate

rials to Avoid: YES

AVOID REACTIVE METALS AND STRONG OXIDANTS.

Stability Condition to Avoid: AVOID OPEN FLAME.

Hazardous Decomposition Products: SMOKE, FUMES, CARBON MONOXIDE, CARBON DIOXIDE, VARIOUS HYDROCARBONS, OXIDES OF SULFUR, HYDROGEN FLUORIDE & ACID FLUORIDE

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

Waste Disposal Methods: ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELLED, TRANSPORTED, AND DISPOSED OF IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES  
. DISPOSE OF IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS RE HEALTH, AIR AND WATER POLLUTION.

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