

CASTROL INC., SPECIALTY PRODUCTS DIV -- BRAYCO 646;LUBRICATING PRODUCT --
9150-00-687-4241

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

Product ID:BRAYCO 646;LUBRICATING PRODUCT

MSDS Date:07/30/1991

FSC:9150

NIIN:00-687-4241

MSDS Number: BJNMJ

=== Responsible Party ===

Company Name:CASTROL INC., SPECIALTY PRODUCTS DIV

Address:16715-VON KARMAN AVENUE,SUITE 230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info

Phone Num:714-660-9414

Emergency Phone Num:800-624-9300

Preparer's Name:RICHARD DE VICARTIS

CAGE:EO309

=== Contractor Identification ===

Company Name:CASTROL INC., SPECIALTY PRODUCTS DIV

Address:1001 W 31 STREET

City:DOWNERS GROVE

State:IL

ZIP:60515

Country:US

Phone:708-241-4000

CAGE:EO309

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:2

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Composition/Information on Ingredients
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Inged Name:DIISOPROPYL HYDROGEN PHOSPHITE

CAS:1809-20-7

Fraction by Wt: 98% %

Other REC Limits:NONE SPECIFIED

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Hazards Identification
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LD50 LC50 Mixture:NOT GIVEN

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

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

Health Hazards Acute and Chronic:ACUTE:EYES- MAY CAUSE MILD IRRITATION.

SKIN- PROLONGED OR REPEATED CO

NTACT MAY CAUSE IRRITATION,

DEFATTING. INHALATION- MAY CAUSE NASAL/RESPIRATORY IRRITATION,

DIZZINESS. INGESTION- CAN CAUSE GASTRO-I NTESTINAL IRRITATION,

NAUSEA, VOMITING,DIARRHEA.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.Effects of Overexposure:EYE IRRITATION, REDNESS, TEARING, BLURRED
VISION. SKIN IRRITATION, DEFATTING, DERMATITIS. RESPIRATORY/ NASAL
IRRITATION, DIZZINESS, NAUSEA, HEADACHE. POSSIBLY UNCONSCIOUSNESS,
ASPHYNIATION

Medical Cond Aggravated by Exposure:NONE KNOWN.

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First Aid Measures
=====First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF DEEMED
NECESSARY. CONTACT A PHYSICIAN. EYE:IMMEDIATELY FLUSH WITH PLENTY
OF WATERFOR 15 MINUTES. CONTACT A PHYSICIAN IF IRRITATION PERSISTS.
SKIN: WIPE MATERIAL FROM SKIN. WASH THOROUGHLY WITH SOAP & WATER.
REMOVE CONTAMINATED CLO
THING & SHOES. INGESTION: DO NOT INDUCE
VOMIT. NOTHG BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION
IMMEDIATELY.=====
Fire Fighting Measures
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Flash Point Method:COC

Flash Point:500F/260C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM

Fire Fighting Procedures:USE WATER AS FOAM OR SPRAY TO COOL FIRE
EXPOSED CONTAINERS. IN CONFINED SPACES WEAR NIOSH APPROVED
SELF-CONTAINED BREATHING APPAR

ATUS IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUE OR VAPORS WHICH CAN IGNITE EXPLOSIVELY. DO NOT CUT, DRILL, OR WELD NEAR FULL OR EMPTY CONTAINERS.

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

Spill Release Procedures:STOP FLOW & SHUT OFF SOURCES OF IGNITION. WIPE OR MOP UP,OR ABSORB WITH CLAY DIATOMACEOUS EARTH, OR OTHER INERT MATERIAL, STORE IN CLOSED METAL CONTAINERS; LARGE SPILL: DIKE FAR AHE

AD FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED AND REPEATED BREATHING OF VAPORS, MISTS, AND FUMES. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:NONE

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

Respiratory Protection:NIOSH/OSHA APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATORY EQUIPMENT AS REQUIRED.

Ventilation:PROVIDE SUFFICIENT MECHANICAL, GENERAL AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. RECOMMEND > 60 F3/MINUTE.

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:CHEMICALLY RESISTANT APRON OR OTHER CLOTHING TO AVOID PROLONGED SKIN CONTACT.

Work Hygienic Practices:DO NOT WEAR CONTAMINATED CLOTHING. LAUNDER BEFORE REUSE OR DISCARD. WASH THOROUGHLY AFTER USE.

Supplemental Safety and Health

THIS PRODUCT

CONTAINS A CHEMICAL THAT HAS BEEN LISTED BY CALIFORNIA'S PROPOSITION 65 AS A CARCINOGEN.

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

HCC:V6

NRC/State Lic Num:NONE

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

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.93

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

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

===== Stability and Reac

tivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: HEAT, IGNITION SOURCES

Hazardous Decomposition Products: SMOKE, FUMES, CO, CO₂, MINOR AMOUNT OF
VARIOUS HYDROCARBONS, OXIDES OF SULFUR.

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

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

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