

CASTROL INC.,BRAY PRODUCTS DIV. -- BRAYCOTE 646 LSA -- 9150-00-687-4241  
===== Product Identification =====

Product ID:BRAYCOTE 646 LSA

MSDS Date:01/01/1985

FSC:9150

NIIN:00-687-4241

MSDS Number: BFLRX

=== Responsible Party ===

Company Name:CASTROL INC.,BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-660-9414

Emergency Phone Nu

m:714-660-9414

CAGE:EO288

=== 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

CAGE:2R128

===== Composition/Information on Ing

redients =====

Ingred Name:PETROLEUM OIL  
Fraction by Wt: UNK

Ingred Name:ADDITIVES MIXTURE(AS DETERGENTS,DISPERSANTS,OXIDATION  
INHIBITOR & CORROSION INHIBITORS)  
Fraction by Wt: UNK

Ingred Name:ZINC DIALKYL DITHIOPHOSPHATE  
Fraction by Wt: UNK

Ingred Name:ZINC DIARYL DITHIOPHOSPHATE  
Fraction by Wt: UNK

===== 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:ACUTE:IRRITATION OF  
EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE  
HEADACHE,DIZZINESS,NAUSEA AND VOMITING.CHRONIC:DRYING OF  
SKIN,DEFATTING OR DERMATITIS.  
Effects of Overexposure:MAY CAUSE SKIN & EYE IRRITATION WITH PROLONGED  
CONTACT.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE  
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point Method:COC

Flash Point:>302F,>150C

Extinguishing Media:DRY CHEM,CO\*2,FOAM WATER FOG,SAND/EARTH.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:DENSE SMOKE

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Accidental Release Measures  
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Spill Release Procedure

s:REMOVE IGNITION SOURCES,VENTILATE AREA

WELL.ABSORB WITH VERMICULITE OR OTHER MATERIALS, SUCH AS SAWDUST,RAGS,PAPER & PLACE IN CLOSED CONTAINER. USE NON SPARKING TOOLS. WEAR PROPER PROTECTIVE EQUIPMENT DURING CLEAN UP.

Neutralizing Agent:NOT APPLICABLE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NONE SHOULD BE NEEDED

Ventilation:NORMAL ROOM VENTILATION.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,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

MSDS UNDATED;SPEC REFERENCE:MIL-L-46000B;"LSA" IN P/N FIELD STANDS FOR LUBRICATING OIL,SEMI-FLUID,AUTOMATIC WEAPON;INGREDIENT INFORMATION PER MIL-L-46000B;PREVIOUSLY,MSDS RCVD DATD:19JUL78.

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Physical/Chemical Properties  
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HCC:V6

Spec Gravity:0.895

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER COLOR OIL,ODOR OR MINERAL OIL.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS:H\*2O\*2,CHROMIC ACID,BROMINE

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:IF COMBUSTED, CO\*2, CO, TOXIC  
HYDROCARBS, OTHER TOXIC OXIDES

===== Disposal Con  
siderations =====

Waste Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE &  
DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE  
INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS.

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