

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

Product ID:BRAYCO 599

MSDS Date:10/14/1997

FSC:6850

NIIN:00-142-9582

MSDS Number: BRDHN

=== Responsible Party ===

Company Name:CASTROL INC.,BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE 230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:202-483-7616

Emergency Phone Num:202-483-7616/800-424-9300(CHEMTREC)

Preparer's Name:RICHARD DE VICARIIS

CA

GE: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

Company Name:EMULTEC INDUSTRIAL PRODUCTS INC

Address:1150 HAYDE

N DR SUITE 100  
Box:City:CHARROLLTON  
State:TX  
ZIP:75006  
Country:US  
Phone:972-417-1288  
CAGE:0WA27  
Company Name:SALATHE OIL CO INC  
Address:2226 PETERS RD  
Box:City:HARVEY  
State:LA  
ZIP:70058  
Country:US  
Phone:504-366-4542  
CAGE:0T5C6  
Company Name:UNIMARK OIL COMPANY (FORMERLY GARD OIL)  
Address:2727 ROE LANE  
City:KANSAS CITY  
State:KS  
ZIP:66103-1543  
Country:US  
Phone:913-236-5000; FX 913-236-4419  
CAGE:3K676

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

Ingred Name:NON-HAZARDOUS IN  
GREDIENTS  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5MG/M3  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE AND CHRONIC- MAY CAUSE MILD EYE  
IRRITATION. PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DEFATTING.  
EXCESSIVE INHALATION OF VAPOR MAY CAUSE NASAL/RESPIRATORY  
IRRITA

TION AND DIZZINESS. INGESTION CAN CAUSE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION HAZARD.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:EYE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN IRRITATION, DEFATTING, DERMATITIS. RESPIRATORY OR NASAL IRRITATION, DIZZINESS, NAUSEA, HEADACHE, POSSIBLY UNCONSCIOUSNESS, ASPHYXIATION.

Medical Cond Aggrav

ated by Exposure:MANUFACTURER STATES NONE KNOWN.

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

First Aid:SKIN:WIPE OFF EXCESS;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL PHYSICIAN IF IRRITATION PERSISTS.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGES T:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

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

Flash Point Metho

d:COC

Flash Point:445F,229C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. WATER SPRAY OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUE WHICH CAN IGNITE EXPLOSIVELY.

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===== Accide  
ntal Release Measures =====

Spill Release Procedures:STOP LEAK. DIKE SPILLS. USE PUMP TO TRANSFER LARGE SPILLS TO CONTAINER FOR DISPOSAL. REMAINING LIQUID/SMALL SPILLS CAN BE TAKEN UP ON SAND, CLAY, EARTH AND SHOVELD INTO CONTAINERS. PREVENT RUN- OFF TO ENTER SEWERS OR OTHER WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AT AMBIENT TEMPERATURES.

KEEP

CONTAINERS TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

Other Precautions:DO NOT BREATHE MISTS OR VAPORS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED RESPIRATOR F

OR ORGANIC VAPORS AND MISTS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.(60FT3/MIN RECOMMENDED).

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL SAFETY 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 FOOTWE

AR.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:>500F,>260C

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.99

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SLIGHT

Appearance and Odor:DARK AMBER LIQUID, MILD CHARACTERISTIC ODOR

===== Stability and Reactivity Data ==

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Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: EXTREME HEAT, FLAMES

Hazardous Decomposition Products: FUMES, SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, MINOR AMOUNTS OF VARIOUS HYDROCARBONS

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. MAY BE DESTROYED BY CONTROLLED INCINERATION.

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