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Product ID:BRAYCO 717 MSDS Date:06/19/1997

FSC:9150

NIIN:00-261-8318

MSDS Number: CHKWY === 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:714-660-9414/ABROAD 202-4837616COLL

**Emerge** 

ncy Phone Num:714-660-9414/800-424-9300(CHEMTREC)

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

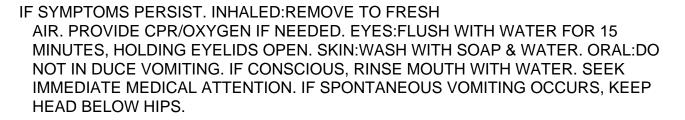
ZIP:60515-1280 Country:US

Phone:800-621-2661/ FAX: 630-241-4140

CAGE:2R128

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=== Composition/Information on Ingredients ========
Ingred Name:2,6-DI-TERT-BUTYL-P-CRESOL CAS:128-37-0 RTECS #:GO7875000
Fraction by Wt: 1-5% Other REC Limits:NONE RECOMMENDED OSHA PEL:10 MG/M3 ACGIH TLV:10 MG/M3; 9596
Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE CAS:64742-46-7 RTECS #:JN9379645 Fraction by Wt: 65-70%
Other REC Limits:NONE RECOMMENDED OSHA PEL:5 MG/M3 AS OIL MIST ACGIH TLV:5 MG/M3 AS OIL MIST
Ingred Name:MINERAL OIL CAS:64742-53-6 RTECS #:PY8036000
Fraction by Wt: 15-20% Other REC Limits:NONE RECOMMENDED OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST) ====================================
LD50 LC50 Mixture:TLV FOR OIL MIST IS 5 MG/M3.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY  & GI TRACTS. ACUTE- EYES:MAY CAUSE IRRITATION.
SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE IRR
ITATION & DEFATTING.
INHALE: VAPORS MAY CAUSE RESPIRATORY IRRITATION, D IZZINESS. ORAL:CAN CAUSE NAUSEA, VOMITING, DIARRHEA, GASTROINTESTINAL TRACT
IRRITATION. CHRONIC- MAY CAUSE DERMATITIS.
Explanation of Carcinogenicity:NONE  Effects of Overexposure:IRRITATION, HEADACHE, NAUSEA, VOMITING,
DIARRHEA, DIZZINESS, TEARING, DEFATTING OF SKIN, DERMATITIS, BLURRED VISION, UNCONSCIOUSNESS
======================================
First Aid:GET MEDICAL HELP



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

Flash Point Method:COC Flash Point:240F,116C

Extinguishing Media: CARBON DIOXIDE, FO

AM, OR DRY CHEMICAL.

Fire Fighting Procedures: USE WATER AS FOG OR SPRAY TO COOL FIRE EXPOSED CONTAINERS. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

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

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. REMOVE SOURCES OF IGNITION

. PICK UP SPILL WITH INERT MATERIAL SUCH AS SAND, CLAY, EARTH. SHOVEL INTO CONTAINERS FOR DISPOSAL. PREVENT RUN-OFF TO ENTER WATERWAYS, SEWERS.

Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE AWAY FROM STRONG OXIDIZERS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. LAUNDER CLOTHING BEFORE R

EUSE. AVOID INHALING

MISTS. EMPTY CONTAINERS OF THIS PRODUCT MAY BE HAZARDOUS DUE TO THE RETENTION OF RESIDUE S. DO NOT TAKE INTERNALLY.

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

Respiratory Protection: NONE NORMALLY REQUIRED. IF WORKING IN CONFINED AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED ORGANIC VAPO R RESPIRATOR.

Ventilation: USE ADEQUATE VENTILATIO

N TO KEEP OIL MISTS OF THIS MATERIAL BELOW APPLICABLE STANDARD(S). Protective Gloves: NITRILES IF PROLONGED/REPEATED CONTACT Eye Protection: SAFETY GOGGLES IF SPLASHING ANTICIPATED 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. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES. Supplemental Safety and Health NONE \_\_\_\_\_ ==== Physical/Chemical Properties ======== HCC:V6 Boiling Pt:B.P. Text:>400F,>204C Spec Gravity:0.884 Evaporation Rate & D; Reference: ND Solubility in Water:NIL Appearance and Odor:LIGHT AMBER FLUID, PETROLEUM ODOR. ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS Stability Condition to Avoid: HEAT OR OPEN FLAME Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, FUMES. SMOKE. MINOR AMOUNTS OF VARIOUS HYDROCARBONS

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

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATION IS RECOMMENDED.

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