REC'D DEC 05 1987

DPm 339

CASTROL
MATERIAL SAFETY DATA SHEET

SECTION 1-IDENTITY

CASTROL INC.,BRAY PRODUCTS
16715 VON KARMON AVE
SUITE 230
IRVINE, CA 92714

Emergency
Telephone No. 714 660 9414

Name of Person
Responsible for Preparation: LOUIS E. BONA Date:12/16/86

Trade Name: BRAYCO 460 Chemical Name: LUBE OIL, JET ENGINE.
Chemical Family: PETROLEUM HYDROCARBON

SECTION 2-HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

Chemical & Common Names	%	TLV(Units)	CAS#
THIS PRODUCT IS NOT HAZARDOUS AND CONTAINS NO HAZARDOUS INGREDIENTS			

SECTION 3-PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point(F) >500 DEG F
Specific Gravity(H2O=1) 0.876

Vapor Pressure(mm Hg) @ 20 DEG C NA
Percent Volatile by Volume(%) NA

Vapor Density(AIR=1) NA
Evaporation Rate NA
N-BUTYL ACETATE = 1

Solubility in Water NEGLIGIBLE

Appearance and Odor STRAW COLORED OILY LIQUID, PETROLEUM ODOR.

SECTION 4-FIRE and EXPLOSION DATA

Flash Point (Method Used)	Flammable Limits In Air %Vol.	Lower	Upper
COC 290 DEG F		NE	NE

Extinguishing Media CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.

Special Fire Fighting Procedures USE SELF-CONTAINED BREATHING APPARATUS IN ENCLOSED AREAS. DO NOT USE WATER EXCEPT AS FOG OR SPRAY TO COOL CONTAINERS OR TANKS TO AVOID HEATING ABOVE FLASH POINT.

Unusual Fire and Explosion Hazards NONE

SECTION 5-PHYSICAL HAZARDS

Stability (Stable/Unstable) STABLE | Conditions to avoid NONE

Incompatibility (Materials to Avoid) STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products CARBON MONOXIDE, SMOKE, AND ASPHYXIANTS.

Hazardous Polymerization (Will/Will Not Occur) WILL NOT OCCUR.

Conditions to Avoid NONE

SECTION 6-HEALTH HAZARDS

Threshold Limit Value NOT DETERMINED, USE 5MG OF OIL MIST PER CUBIC METER OF AIR.

Signs and Symptoms of Exposure

Acute Overexposure: NOT EXPECTED TO CAUSE ANY ILL EFFECT EXCEPT POSSIBLY IN VERY SENSITIVE INDIVIDUALS. MAY CAUSE EYE IRRITATION. AVOID CONTACT WITH EYES.

Chronic Overexposure SAME AS ABOVE

Emergency First Aid Procedures

1. Inhalation: REMOVE FROM AREA OF VAPORS.
2. Eyes: FLUSH EYES WITH CLEAR WATER UNTIL IRRITATION SUBSIDES. CONTACT A PHYSICIAN AS SOON AS POSSIBLE.
3. Skin: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.
4. Ingestion: DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN.

SECTION 7-SPECIAL PROTECTION INFORMATION

Respiratory Protection (specify type) NOT NORMALLY NEEDED. USE SUPPLIED AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED AREAS.

Ventilation | Local Exhaust USE LOCAL EXHAUST TO CAPTURE FUMES AND VAPORS. | Mechanical (General) NA | Special PROVIDE GREATER THAN 60 CFM FOR CONFINED AREAS. | Other NA

Protective Gloves USE CHEMICALLY RESIS- TANT GLOVES TO AVOID PRO- LONGED CONTACT.

Eye Protection USE SPLASH GOGGLES.

Other Protective Clothing or Equipment USE CHEMICALLY RESISTANT APRON OR OTHER CLOTHING TO AVOID PROLONGED SKIN CONTACT.

SECTION 8-SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT AND OPEN FLAMES. DO NOT STORE NEAR FLAME, OR STRONG OXIDANTS.

Other Precautions AVOID PROLONGED SKIN CONTACT OR PROLONGED BREATHING OF VAPORS.

Steps to be Taken in Case Material is Released or Spilled USE OIL ABSORBANT GRANULES, INCINERATE. DO NOT ALLOW OIL TO ENTER STREAMS AND WATERWAYS. STORE IN CLOSED METAL CONTAINERS.

Waste Disposal Methods INCINERATE OR SANITARY LANDFILLS, IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS REGARDING HEALTH, AIR AND WATER POLLUTION.

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