Industrial Hygiene
SEP 12 1989

CASTROL INCORPORATED
MATERIAL SAFETY DATA SHEET

maybe DPM 5481
DPM 5481

BRAY PRODUCTS DIVISION
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DATE PREPARED/REVISED: 12/09/88

PREPARER: KAREL WRIGHT

PRODUCT NAME: BRAYCO 300
COMMON NAME: LUBRICATING OIL
CHEMICAL FAMILY OR CLASSIFICATION: PETROLEUM HYDROCARBON

NFPA HAZARD CLASSIFICATION:
HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0

SECTION [illegible] RDOUS INGREDIENTS/IDENTITY INFORMAT[illegible]N

HAZARDOU[illegible] ONENTS

Chemic[illegible] ty/Common Name	TLV/other	C[illegible]S#	%

- THIS [illegible] IS NOT CONSI[illegible] NOR DOES IT C[illegible]AIN ANY HAZAR[illegible] GREDIENTS ACCORDING TO OSHA 1910.1200 .

NOTE:
PRODUCT CONTAINS NO MATERIALS [illegible] IFIED AS CARCINOGENIC BY NTP, IARC, OR OSHA.

9/13/89

Castrol Tech Service Mgr Mark Mulvehill 714-660-9414

says mixture of solvent refined or severely hydrotreated petroleum oils

790% CAS 64742-46-7

CAS 64742-53-6

plus various additives at low levels.

L. PITCHFORTH

HYDROTREATED DISTILLATE, MIDDLE ..C11-25 401F 752F **64742-46-7*ξ**

Distillates (petroleum), hydrotreated middle

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 degrees C to 400 degrees C (401 degrees F to 752 degrees F).

HYDROTREATED DIST., LT NAPHTHENIC ..UNDER 100 SSU ..C15-30 **64742-53-6*ξ**

Distillates (petroleum), hydrotreated light naphthenic

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 degrees F (19cSt at 40 degrees C). It contains relatively few normal paraffins.

DPM 5481

Listed approved under QPL

Jackie Collier 66565

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >500 F

SPECIFIC GRAVITY(H2O=1): 0.88

VAPOR PRESSURE: ND

VAPOR DENSITY(AIR=1): ND

PERCENT VOLATILES: NA

EVAPORATION RATE (BuAc=1):ND

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND ODOR: BROWN FLUID; SLIGHT PETROLEUM ODOR.

HAZARDOUS POLYMERIZATIONS (WILL/WILL NOT OCCUR): WILL NOT OCCUR.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 135 C (COC) MIN.
FLAMMABLE LIMITS IN AIR, % VOL.: UPPER - ND LOWER - ND

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM

SPECIAL FIRE FIGHTING PROCEDURES/ UNUSUAL FIRE AND EXPLOSION HAZARDS:
USE WATER AS FOG OR SPRAY TO COOL FIRE EXPOSED CONTAINERS.
USE SELF CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUE OR VAPORS WHICH CAN IGNITE EXPLOSIVELY. DO NOT CUT, GRIND OR WELD ON OR NEAR FULL OR EMPTY CONTAINERS.

SECTION 4 - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS AND MATERIALS TO AVOID:
STRONG OXYDIZING AGENTS.
HEAT, OPEN FLAME

HAZARDOUS DECOMPOSITION PRODUCTS:
SMOKE, FUMES, CO, CO2, MINOR AMOUNTS OF VARIOUS HYDROCARBONS AND OXIDES OF SULFUR.

SECTION 5 - HEALTH HAZARD DATA

OCCUPATIONAL EXPOSURE LIMITS (TLV):NONE ESTABLISHED; USE 5 mg/M3 TWA.
PRIMARY ROUTE(S) OF ENTRY: SKIN, INHALATION

HEALTH HAZARDS (Acute and Chronic, If Applicable)
BELIEVED TO BE MODERATELY IRRITATING TO EYES, SLIGHTLY IRRITATING TO SKIN. PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN VARIOUS SKIN DISORDERS SUCH AS DERMATITUS. INHALATION OF VAPORS GENERATED AT HIGH TEMPERATURES OR MISTS MAY IRRITATE RESPIRATORY TRACT.

SIGNS/SYMPTOMS OF EXPOSURE:
SKIN IRRITATION, DEFATTING, DERMATITUS.
RESPIRATORY IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH LARGE AMOUNTS OF CLEAN WATER FOR AT LEAST 15 MIN. CONTACT A PHYSICIAN IF IRRITATION PERSISTS.

SKIN: REMOVE CONTAMINATED CLOTHING. WIPE MATERIAL FROM SKIN. WASH THOROUGHLY WITH SOAP AND WATER.

INHALATION: REMOVE FROM AREA OF EXPOSURE. ADMINISTER OXYGEN IF DEEMED NECESSARY.

INGESTION: DO NOT INDUCE VOMITING, ASPIRATION HAZARD. CONSULT A PHYSICIAN IMMEDIATELY.

SECTION 6 - CONTROL MEASURES

RESPIRATORY PROTECTION: CHEMICAL CARTRIDGE RESPIRATOR OR SUPPLIED AIR RESPIRATORY EQUIPTMENT AS REQUIRED FOR CONCENTRATION EXCEEDING OCCUPATIONAL EXPOSURE RECOMMENDATION.
VENTILATION: NOT NORMALLY REQUIRED. LOCAL EXHAUST, IN ADDITION TO GENERAL VENTILATION WHEN OCCUPATIONAL EXPOSURE LIMIT IS EXCEEDED.

SKIN PROTECTION: OIL IMPERVIOUS TYPE GLOVES, SUCH AS NEOPRENE. IMPERVIOUS GARMENTS AS REQUIRED.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES, OR SAFETY GLASSES.

WORK/HYGIENIC PRACTICES: DO NOT WEAR CONTAMINATED CLOTHING. LAUNDER BEFORE RE-USE OR DISCARD.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

HANDLING & STORAGE INSTRUCTIONS: MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED/REPEATED BREATHING OF VAPORS, MISTS, FUMES. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

SPILL/LEAK PROCEDURES: DO NOT PERMIT PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS. DIKE SPILL AND ELIMINATE LEAK. ABSORB WITH INERT MATERIAL AND STORE IN CLOSED CONTAINERS UNTIL DISPOSAL.

WASTE DISPOSAL METHOD: ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELLED, TRANSPORTED, AND DISPOSED OF OR RECLAMINED IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. DISPOSE OF BY METHOD IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING HEALTH, AIR AND WATER POLLUTION.
MAY BE DISPOSED OF BY CONTROLLED INCINERATION.

OTHER: NA

SECTION 8 - ADDITIONAL COMMENTS

CERCLA REPORTABLE QUANTITY: NA

RCRA HAZARDOUS WASTE NUMBER: NA

DOT HAZARD CLASSIFICATION: NONE

SARA TITLE III, SECTION 302: NO EXTREMELY HAZARDOUS SUBSTANCES.
SECTION 311/312 HAZARD CATEGORY: NA
SECTION 313 CHEMICAL/CATEGORY: NA

NA=NOT APPLICABLE
ND=NO DATA AVAILABLE

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