

CASTROL INC -- CASTROL GTX MOTOR OIL SAE 10W-40 -- 9150-00-116-0506

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

Product ID:CASTROL GTX MOTOR OIL SAE 10W-40

MSDS Date:04/16/1999

FSC:9150

NIIN:00-116-0506

Status Code:A

MSDS Number: CKHJY

=== Responsible Party ===

Company Name:CASTROL INC

Address:1500 VALLEY ROAD

City:WAYNE

State:NJ

ZIP:07474

Country:US

Info Phone Num:201-633-2200

Emergency Phone Num:201-633
-2200

Preparer's Name:NOT PROVIDED.

Chemtrec Ind/Phone:(800)424-9300

CAGE:0B2U4

=== Contractor Identification ===

Company Name:CASTROL INC

Address:1500 VALLEY ROAD

Box:City:WAYNE

State:NJ

ZIP:07474

Country:US

Phone:201-633-2200

CAGE:0B2U4

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

Ingred Name:SEVERELY REFINED PETROLEUM BASESTOCKS (MAY CONTAIN ONE OR
MORE OF THE FOLLOWING CASRN)

Minimum % Wt:60.

Maximum % Wt:100.

Other REC Limits:NOT PROVIDED

OSHA PEL:5 MG/M3 (OIL

MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:CLAY TREATED RESIDUAL OIL (PETROLEUM)
CAS:64742-41-2
Fraction by Wt: SEE ING #1%

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC
CAS:64741-88-4
RTECS #:PY8040500
Fraction by Wt: SEE ING #1%

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED
CAS:64742-01-4
Fraction by Wt: SEE ING #1%

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE
CAS:64742-46-7
RTECS #:JN9379645
Fraction by Wt: SEE ING #1%

Ingred Name:DISTILLA
TES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC
CAS:64742-54-7
RTECS #:PY8035500
Fraction by Wt: SEE ING #1%

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC
CAS:64742-56-9
RTECS #:PY8039500
Fraction by Wt: SEE ING #1%

Ingred Name:HYDROTREATED RESIDUAL OIL (PETROLEUM)
CAS:64742-57-0
Fraction by Wt: SEE ING #1%

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED
CAS:64742-62-7
Fraction by Wt: SEE ING #1%

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFI

NIC
CAS:64742-65-0
RTECS #:PY8038500
Fraction by Wt: SEE ING #1%

Ingred Name:LUBRICATING OILS (PETROLEUM), C>25, HYDROTREATED BRIGHT STOCK-BASED
CAS:72623-83-7
Fraction by Wt: SEE ING #1%

Ingred Name:LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED, CONTG. SOLVENT DEASPHALTED RESIDUAL OIL
CAS:72623-84-8
Fraction by Wt: SEE ING #1%

Ingred Name:LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED, HIGH-VISCOSITY
CAS:72623-85-9
Fraction by Wt: SEE ING #1%

Ingred Name:LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED
CAS:72623-86-0
Fraction by Wt: SEE ING #1%

Ingred Name:LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED
CAS:72623-87-1
Fraction by Wt: SEE ING #1%

Ingred Name:ADDITIVES (ORGANO-METTALIC COMPOUNDS CONTAINING:ZINC DIALKYLDITHIOPHOSPHATE,CALCIUM SALTS OF ALKYLATED PHENOL SULFIDES AND DIPHENYL AMINES)
Minumum % Wt:10.
Maxumum % Wt:30.
Other REC Limits:NOT PROVIDED
OSHA PEL:
N/D
ACGIH TLV:N/D

Ingred Name:METHACRYLATE POLYMER AND/OR ETHYLENE-PROPYLENE COPOLYMER WITH A NITROGEN FUNCTIONAL GROUP BLEND
Minumum % Wt:7.
Maxumum % Wt:13.
Other REC Limits:NOT PROVIDED
OSHA PEL:N/D
ACGIH TLV:N/D

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

LD50 LC50 Mixture:NOT PROVIDED.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES: NOT EXPECTED TO CAUSE

PROLONGED/SIGNIFICANT IRRITATION. SKIN: NOT EXPECTED TO CAUSE PROLONGED/SIGNIFICANT IRRITATION. RESPIRATORY SYSTEM: HARMFUL CONCENTRATIONS OF MISTS/VAPORS ARE UNLIKELY THROUGH CUSTOMARY HANDLING/USE OF THIS PRODUCT. INGESTION: LOW ORDER OF TOXICITY, BUT MAY CAUSE GASTROINTESTINAL DISTURBANCES, DIARRHEA. INGESTION OF LARGE AMOUNTS MAY CAUSE HEADACHE, DROWSINESS, NAUSEA, VOMITING/DIARRHEA. CHRONIC: PROLONGED/ REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, IRRITATION, DEFATTING AND DERMATITIS. USED MOTOR OILS HAVE CAUSED SKIN CANCER IN LABORATORY ANIMALS WHEN REPEATEDLY APPLIED AND LEFT IN PLACE.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY CLASSIFIED AS CARCINOGENIC PER THE ANNUAL REPORT OF THE NATIONAL TOXICOLOGY PROGRAM (NTP), OSHA HAZARD COMMUNICATION STANDARD OR THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC).

Effects of Overexposure:TRANSIENT EYE IRRITATION, REDNESS, TEARING.

Medical Cond Aggr

Caused by Exposure:PRE-EXISTING SKIN DISORDERS.

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

First Aid:EYE CONTACT: FLUSH WITH CLEAR WATER FOR AT LEAST 15 MINUTES OR UNTIL ANY IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WIPE EXCESS MATERIAL FROM SKIN. WASH EXPOSED AREAS WITH SOAP AND WATER. INHALATION: MOVE PERSON TO FRESH AIR. ADMINISTER RESPIRATORY ASSISTANCE IF BREATHING IS DIFFICULT OR STOPS; CONSULT A PHYSICIAN. INGESTION: GIVE PLENTY OF WATER OR OTHER MILD DRINKING FLUIDS AND CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING WITHOUT EXPRESS CONSENT OF MEDICAL PERSONNEL.

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

Flash Point Method:COC

Flash Point:=-212.8C, 415.F

MIN

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:CO2, DRY CHEMICAL, FOAM AND WATER FOG.

DO NOT USE
WATER JETS.

Fire Fighting Procedures:MATERIAL MUST BE HEATED TO BURN. DO NOT ENTER
CONFINED AREAS WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING A
POSITIVE PRESSURE NIOSH-APPROVED SELF CONTAINED BREATHING
APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:MATERIAL MUST BE HEATED TO BURN. DO NOT
ENTER CONFINED AREAS WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING A
POSITIVE PRESSURE NIOSH-APPROVED SELF CONTAINED BREATHING
APPARATUS
. COOL FIRE-EXPOSED CONTAINERS WITH WATER.

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

Spill Release Procedures:LARGE SPILLS: WEAR APPROPRIATE PROTECTIVE
CLOTHING. STOP SOURCE OF LEAK IF POSSIBLE. DIKE AND CONTAIN. REMOVE
WITH PUMP. PREVENT ENTRY INTO WATER SOURCES. SOAK UP RESIDUE WITH
INERT ABSORBENT SUCH AS CLAY/SAND. STORE AND DISPOSE PROPERLY.
WHERE FEASIBLE, REMOVE CONTAMINATED SOIL. SMALL SPILLS: SOAK UP
WITH AN INERT ABSORBENT SUCH AS CLAY
OR SAND. STORE IN CLOSED
CONTAINER AND DISPOSE OF PROPERLY.

Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE.
DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. AVOID
BREATHING MIST. MAINTAIN ADEQUATE VENTILATION. AVOID PROLONGED OR
REPEATED CONTACT WITH SKIN.

Other Precautions:NOT PROVIDED.

===== Exposure Controls/Personal Protection ====
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Respiratory Protection:NONE REQUIRED UNDER NORMAL USE. IF EXPOSURE IS
EXPECTED TO EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A
NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE
WITH 29 CFR 1910.134, USE EITHER AN ATMOSPHERE-SUPPLYING
RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND
PARTICULATES.

Ventilation:NO SPECIAL VENTILATION IS USUALLY NECESSARY. IF OPERATION
CREATES HIGH AIRBORNE CONCENTRATIONS OF THIS MATERIAL, SPECIAL OR

LOCAL VENTILATION MAY BE NEEDED.

Protective Gloves:WEAR OIL IMPERVIOUS TYPE, SUCH AS NEOPRENE, NITRILE, POLYVINYLCHLORIDE.

Eye Protection:SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:NO SPECIAL REQUIREMENT; NORMAL WORK CLOTHING. A COVERALL OR APRON MAY BE USED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:AVOID PROLONGED AND REPEATED SKIN CONTACT. DO NOT WEAR CONTAMINATED CLOTHING; LAUNDER BEFORE REUSE OR DISCARD. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

Supplemental Safety and Health
NONE

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT.

Boiling Pt:>260.C, 500.F

Melt/Freeze Pt:M.P/F.P Text:-22F TO -40F

Decomp Temp:Decomp Text:NOT PROVIDED.

Vapor Pres:1

Spec Gravity:0.87 - 0.89

pH:NOT APPLICABLE.

Viscosity:100 CST @ 40C

Evaporation Rate & Reference: