

W SECTION 1 - MATERIAL IDENTIFICATION AND USE															
MATERIAL NAME/IDENTIFIER CASTROL SAF CARBON MOD						CONTROL NUMBER CN36387									
PART NUMBER(S) 88862826						<table border="1"><tr><td>FIRE</td><td>:LOW</td></tr><tr><td>CORROSIVE</td><td>:NONE</td></tr><tr><td>CONTACT</td><td>:LOW</td></tr><tr><td>HEALTH HAZARD</td><td>:LOW</td></tr></table>		FIRE	:LOW	CORROSIVE	:NONE	CONTACT	:LOW	HEALTH HAZARD	:LOW
FIRE	:LOW														
CORROSIVE	:NONE														
CONTACT	:LOW														
HEALTH HAZARD	:LOW														
MANUFACTURER NAME DEUSCHE CASTROL VERTRIEBSGESELLSCHAFT			SUPPLIERS NAME GENERAL MOTORS OF CANAD												
STREET ADDRESS MAX-BORN-STR. 2			STREET ADDRESS 1908 COLONEL SAM DRIVE												
CITY HAMBURG	PROVINCE/STATE COUNTRY GERMANY		CITY OSHAWA	PROVINCE/STATE COUNTRY ONTARIO CANADA											
POSTAL CODE D-22761	EMERGENCY TELEPHONE NO. +49 (0)40 751 97-0		POSTAL CODE L1H 8P7	EMERGENCY TELEPHONE NO. 905-644-7091											
PRODUCT DESCRIPTION CASTROL SAF CARBON MOD															
CHEMICAL NAME NOT AVAILABLE				TRADE NAME AND SYNONYMS PRODUCT CODE 452640											
CHEMICAL FAMILY NOT AVAILABLE		CHEMICAL FORMULA NOT AVAILABLE		MOLECULAR WEIGHT NOT AVAILABLE											
MATERIAL USE SYNTHETIC GEAR OIL															
TDG SHIPPING NAME NOT REGULATED				U.N. NUMBER NOT REGUL	CLASS/DIVISION	PACKING GROUP									
WHMIS CONTROLLED PRODUCT YES		WHMIS CLASS D - POISONOUS AND INFECTIOUS MATERIAL													
WHMIS DIVISION 2 - MATERIALS CAUSING OTHER TOXIC EFFECTS				WHMIS SUBDIVISION B - TOXIC MATERIAL											
SECTION 2 - CHEMICAL COMPOSITION INCLUDING HAZARDOUS INGREDIENTS															
INGREDIENTS	% OR RANGE	UN, NA OR CAS NUMBER	8HR TWA EV PPM MG/M3	15MIN STEL PPM MG/M3	CEILING PPM MG/M3										
SYNTHETIC BASED LUBRICANT AND ADDITIVES	70-80														
POLYMER	10-15														
SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE	1-5	64742-65-0													
OLEFIN SULFIDE	1-5														
DIMETHYL OCTADECYLPHOSPHONATE	1-5	25371-54-4													
PHOSPHORIC ACID ESTER AMINE SALT NJRTK 8005 67 5494	1-5														
SECTION 3 - PHYSICAL DATA															
BOILING POINT NOT AVAILABLE		FREEZING POINT NOT AVAILABLE		SPECIFIC GRAVITY NOT AVAILABLE											
VAPOUR PRESSURE NOT AVAILABLE		VAPOUR DENSITY NOT AVAILABLE		DENSITY 0.874 G/ML											
SOLUBILITY IN WATER INSOLUBLE @10°C		% VOLATILE (BY VOLUME) NOT AVAILABLE		EVAPORATION RATE NOT AVAILABLE											
PH NOT AVAILABLE	PHYSICAL STATE LIQUID		COEFF. WATER/OIL DIST. NOT AVAILABLE		ODOUR THRESHOLD NOT AVAILABLE										
ODOUR AND APPEARANCE BROWN LIQUID, CHARACTERISTIC ODOUR															
SECTION 4 - FIRE AND EXPLOSION DATA															
FLASHPOINT AND METHOD 220°C CC		LOWER EXPLOSION LIMIT NOT AVAILABLE		UPPER EXPLOSION LIMIT NOT AVAILABLE											
AUTO IGNITION TEMPERATURE NOT AVAILABLE		SENSITIVITY TO IMPACT NOT AVAILABLE		SENSITIVITY TO STATIC DISCHARGE NOT AVAILABLE											

MATERIAL NAME/IDENTIFIER

CASTROL SAF CARBON MOD

CONTROL NUMBER

CN36387

FLAMMABILITY

These materials are a fire hazard when exposed to heat or flame.

MEANS OF EXTINCTION

Use carbon dioxide, dry chemical, or chemical foam to extinguish.
Use water spray to cool exposed surroundings or containers.
DO NOT use a forced water stream directly on oil fires as this can scatter the burning oil.

SPECIAL PROCEDURES

Firefighters must use self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION PRODUCTS

Burning in air can produce toxic vapours and gases.
These include partial oxidation products of hydrocarbons, oxides of carbon, and small amounts of sulphur dioxide (depending on sulfur content).

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY

Products are stable in closed containers under normal storage and handling procedures, as specified in the Workplace MSDS.

INCOMPATIBILITY AND REACTIVITY

Incompatible with strong oxidizing agents (eg. fluorine, chlorine, and concentrated sulphuric acid).
These materials are degraded by alkaline materials such as sodium hydroxide (caustic soda).

HAZARDOUS DECOMPOSITION PRODUCTS

NOT AVAILABLE

SECTION 6 - TOXICOLOGICAL PROPERTIES

BIOLOGICAL EFFECTS

These materials present a low degree of health hazard if good work practices are observed.
The inhalation hazard of these oils is negligible except for overexposures to heated mists.
Repeated or prolonged skin contact may cause forms of dermatitis including folliculitis (inflammation of the hair follicles) and oil acne in sensitive individuals.
Contact with used lubricants can be an increased hazard when compared to new oils of this type.
Lung infections can result from prolonged or repeated inhalation of severe overexposure to the misted oils.

LD50 OF MATERIAL

NOT AVAILABLE

LC50 OF MATERIAL

NOT AVAILABLE

IRRITANCY OF MATERIAL

NOT AVAILABLE

SENSITIZING CAPACITY OF MATERIAL

NOT AVAILABLE

SYNERGISTIC MATERIALS

NOT AVAILABLE

CARCINOGENICITY OF MATERIAL

Does not contain any ingredient(s) that are designated carcinogens according to WHMIS criteria.

REPRODUCTIVE EFFECTS OF MATERIAL

NOT AVAILABLE

TERATOGENICITY

NOT AVAILABLE

MUTAGENICITY

NOT AVAILABLE

SECTION 7

EFFECTS OF ACUTE EXPOSURE TO MATERIAL

FIRST AID MEASURES

ROUTE OF EXPOSURE: INHALATION

Inhalation of misted oils above the
Employee Exposure Guidelines can irritate
the mucous membranes.

FIRST AID

Remove to fresh air.
If irritation persists, seek
medical attention.

MATERIAL NAME/IDENTIFIER

CASTROL SAF CARBON MOD

CONTROL NUMBER

CN36387

ROUTE OF EXPOSURE: SKIN

Prolonged or repeated exposure to these materials may produce skin irritation or dermatitis.

Wash exposed area with soap and warm water.
If irritation persists, seek medical attention.

ROUTE OF EXPOSURE: EYES

Eye contact results in pain and irritation.

IMMEDIATELY flush eyes with copious quantities of water while holding eyelids open with the thumb and forefinger. Continue for 15 minutes. If irritation persists, seek medical attention.

ROUTE OF EXPOSURE: INGESTION

Ingestion could result in gastrointestinal irritation, headache, dizziness, and nausea.
Difficult breathing, pulmonary edema (fluid in the lungs), and severe lung irritation may result if vomiting occurs after ingestion and the material is aspirated (drawn into) the lungs.
Ingestion can produce a cathartic (laxative) effect.

Seek IMMEDIATE medical attention.
DO NOT induce vomiting.
Give 3 or more glasses of milk or water to drink, ONLY if the victim is conscious.

SECTION 8 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES

Use barrier creams or rubber gloves to avoid direct prolonged skin contact.

RESPIRATORY PROTECTION

If requested, an approved dust/mist respirator (NIOSH P95) such as a 3M 8271 can be worn.

EYE PROTECTION

FOOTWEAR

CLOTHING

OTHER

ENGINEERING CONTROLS

LEAK AND SPILL PROCEDURE: SMALL SPILLS

Contain spill.
Absorb spill with an inert absorbent such as clay or "speedi dri".
Shovel or vacuum up and place in an appropriate, closed labelled container.
Flush residue with detergent and water.

LEAK AND SPILL PROCEDURE: LARGE SPILLS

For large spills inform safety personnel and Environmental Engineering Department.
Eliminate all sources of ignition.
Contain spill.
Personnel working on a clean up of a spill must wear safety glasses and rubber gloves.
Absorb spill with an inert absorbent such as clay or "speedi dri".
Shovel or vacuum up and place in an appropriate, closed labelled container.
Flush residue with detergent and water.
Prevent leakage into sewers and watercourses.

WASTE DISPOSAL

Dispose of in accordance with Local, Provincial or Federal regulations as applicable.

MATERIAL NAME/IDENTIFIER
CASTROL SAF CARBON MOD

CONTROL NUMBER
CN36387

HANDLING PROCEDURES AND EQUIPMENT

Avoid breathing mists or vapours.
Do not smoke while using these products.
Avoid prolonged or repeated skin contact.
Employees who handle these materials must wash their hands with soap and water thoroughly before eating, smoking, or using toilet facilities.
Do not wear oil contaminated clothing.
Do not put oily rags into pockets.
Handling steel coated with this material requires no special handling procedures or personal protective equipment.

STORAGE REQUIREMENTS

Store away from sources of heat and ignition.
Store away from strong oxidizing agents (eg. fluorine, chlorine, and concentrated sulphuric acid).
Do not smoke in area of storage.
Insure that the containers are tightly closed.
Protect containers from physical damage.
Store only in labelled containers.

COMMENTS

SECTION 9 - PREPARATION INFORMATION

PREPARED BY:
GENERAL MOTORS OF CANADA INDUSTRIAL HYGIENE

PHONE NUMBER
(905) 644-6013

DATE
05-13-08