

SECTION 1 - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/IDENTIFIER

GASKET REMOVER

CONTROL NUMBER

CN02598

PART NUMBER(S)

992927

FIRE : HIGH

CORROSIVE : LOW

CONTACT : MODERATE

HEALTH HAZARD: MODERATE

MANUFACTURER NAME

LOCTITE AUTOMOTIVE & CONSUMER

SUPPLIERS NAME

GENERAL MOTORS OF CANADA

STREET ADDRESS

4450 CRANWOOD COURT PO BOX 7183

STREET ADDRESS

1908 COLONEL SAM DRIVE

CITY

CLEVELAND

PROVINCE/STATE COUNTRY

OHIO USA

CITY

OSHAWA

PROVINCE/STATE COUNTRY

ONTARIO CANADA

POSTAL CODE

44128

EMERGENCY TELEPHONE NO.

216/475-3600

POSTAL CODE

L1H 8P7

EMERGENCY TELEPHONE NO.

905-644-7091

PRODUCT DESCRIPTION

GASKET REMOVER

CHEMICAL NAME

NOT AVAILABLE

TRADE NAME AND SYNONYMS

80579 SPO GJ

CHEMICAL FAMILY

NOT AVAILABLE

CHEMICAL FORMULA

NOT AVAILABLE

MOLECULAR WEIGHT

NOT AVAILABLE

MATERIAL USE

AEROSOL CLEANER

TDG SHIPPING NAME

AEROSOLS

U.N. NUMBER

UN1950

CLASS/DIVISION

2.1 6.1

PACKING GROUP

III

WHMIS CONTROLLED PRODUCT

SUPPLIER STATES NO

WHMIS CLASS

CONSUMER PRODUCT

WHMIS DIVISION

WHMIS SUBDIVISION

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
(R) METHYLENE CHLORIDE (DICHLOROMETHANE)	65-70 W	75-09-2	50	175	150		250	
(R) ISOPROPYL ALCOHOL (2 PROPANOL)	10-15 W	67-63-0	400		500	1225	2000	
ISOBUTANE (2-METHYLPROPANE)	5-10 W	75-28-5						
PROPANE	5-10 W	74-98-6	2500					
(R) XYLENE (DIMETHYLBENZENE)	5-10 W	1330-20-7	100	435	150	650	500	
ETHANOLAMINE	1-5 W	141-43-5	3	7.5	6	15	15	
HYDROXYPROPYL METHYLCELLULOSE	1-5 W	9004-65-3						
(R) ETHYL BENZENE	1-5 W	100-41-4	100	435	125	540	500	
FATTY ACID DIETHANOLAMIDE	1-5 W	68604-35-3						
STODDARD SOLVENT (VARSOL)	1-5 W	8052-41-3		525		1575		2625

SECTION 3 - PHYSICAL DATA

BOILING POINT

< 0°F

FREEZING POINT

NOT AVAILABLE

SPECIFIC GRAVITY

NOT AVAILABLE

VAPOUR PRESSURE

NOT AVAILABLE

VAPOUR DENSITY

> 1 @20°C

DENSITY

NOT AVAILABLE

SOLUBILITY IN WATER

NOT SOLUBLE

% VOLATILE (BY VOLUME)

NOT AVAILABLE

EVAPORATION RATE

NOT AVAILABLE

PH

NOT APPLICABLE

PHYSICAL STATE

LIQUID

COEFF. WATER/OIL DIST.

NOT AVAILABLE

ODOUR THRESHOLD

NOT AVAILABLE

ODOUR AND APPEARANCE

CLEAR LIQUID SPRAY, MILD ODOUR

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SECTION 4 - FIRE AND EXPLOSION DATA

FLASHPOINT AND METHOD
NOT AVAILABLELOWER EXPLOSION LIMIT
NOT AVAILABLEUPPER EXPLOSION LIMIT
NOT AVAILABLEAUTO IGNITION TEMPERATURE
NOT AVAILABLESENSITIVITY TO IMPACT
NOT AVAILABLESENSITIVITY TO STATIC DISCHARGE
NOT APPLICABLE

FLAMMABILITY

These materials are a fire and explosion hazard when exposed to heat or flame.
Containers heated in a fire will explode.
Vapours of these materials are heavier than air and can flow along surfaces to distant points of ignition and can result in flashback.

MEANS OF EXTINCTION

Use carbon dioxide, dry chemical, or chemical foam to extinguish.

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).
When exposed to fire, toxic phosgene gas and hydrogen chloride gas can be produced.

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

These materials may react with alkaline materials such as sodium hydroxide (caustic soda), to form flammable or explosive compounds.
May also be reactive with magnesium and aluminum especially when metal is in a finely ground or powdered state.

HAZARDOUS DECOMPOSITION PRODUCTS

NONE

SECTION 6 - TOXICOLOGICAL PROPERTIES

BIOLOGICAL EFFECTS

These products are central nervous system depressants. (Levels of consciousness and mental alertness may be lowered).
Carbon monoxide will be formed in the body from methylene chloride. This material reduces the oxygen carrying capacity of the blood.
At very high concentrations (100,000 ppm) the propellants act as simple asphyxiants by lowering the oxygen content of the air.
Methylene chloride at very high levels has been shown to cause cancer in laboratory animals, however evidence of human carcinogenicity has not been established.

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

(R) METHYLENE CHLORIDE (DICHLOROMETHANE), (R) ETHYL BENZENE are classified possibly carcinogenic to humans by IARC.

REPRODUCTIVE EFFECTS OF MATERIAL

NOT AVAILABLE

TERATOGENICITY

NOT AVAILABLE

MUTAGENICITY

NOT AVAILABLE

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SECTION 7

EFFECTS OF ACUTE EXPOSURE TO MATERIAL

FIRST AID MEASURES

ROUTE OF EXPOSURE: INHALATION

Inhalation of vapours above the Employee Exposure Guidelines may result in headache, dizziness, and nausea.
Inhalation of progressively higher concentrations above the Employee Exposure Guidelines will result in headache, dizziness, impairment of coordination and narcosis (drowsiness).
Excessively high concentrations may result in loss of consciousness and may be fatal.

FIRST AID

Remove to fresh air.
Restore or support breathing if required.
If irritation persists, seek medical attention.

ROUTE OF EXPOSURE: SKIN

Prolonged or repeated exposure to these materials may produce skin irritation or dermatitis.
Methylene chloride may be absorbed through the skin and metabolized creating the health problems listed under INHALATION and BIOLOGICAL EFFECTS.

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

ROUTE OF EXPOSURE: EYES

Eye contact with the liquid produces irritation and pain.
Vapours, at concentrations above the Employee Exposure Guidelines can cause slight irritation of the eyes.

IMMEDIATELY flush eyes with copious quantities of water while holding eyelids open with the thumb and forefinger.
Continue for 15 minutes.
Seek medical attention, after flushing.

ROUTE OF EXPOSURE: INGESTION

Ingestion could result in dizziness, vomiting, abdominal pain and diarrhea.

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

The use of seamless nitrile rubber gloves is recommended when handling these products.

RESPIRATORY PROTECTION

For exposures above the applicable Employee Exposure Guidelines or if requested by an employee, use NIOSH/MSHA approved respirator for organic vapours (NIOSH TC-23C).

For exposures above the Employee Exposure Guideline, a NIOSH/MSHA approved TC-19C supplied air or self contained breathing apparatus (SCBA) is the recommended respiratory protection.

EYE PROTECTION

FOOTWEAR

CLOTHING

OTHER

ENGINEERING CONTROLS

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LEAK AND SPILL PROCEDURE: SMALL SPILLS

For small spills, remove all sources of ignition.

Ventilate area.

Avoid contact with these materials.

Personnel working on the clean up of a spill must wear seamless nitrile rubber or neoprene gloves.

Mop, wipe or soak up with absorbent material.

Store used absorbent in covered, labelled, suitable containers prior to disposal.

Avoid inhalation of vapours or mists.

If requested by an employee, use NIOSH/MSHA approved respirator for organic vapours (NIOSH TC-23C).

LEAK AND SPILL PROCEDURE: LARGE SPILLS

Material is supplied and stored only in small quantities, LARGE SPILL procedures are not applicable.

WASTE DISPOSAL

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

Do not incinerate or puncture waste containers.

HANDLING PROCEDURES AND EQUIPMENT

Avoid airborne concentration build-up.

Use in well ventilated areas only.

Avoid breathing mists or vapours.

Remove all sources of ignition from the area of handling and use.

Avoid prolonged or repeated skin contact.

Do not spray on surfaces hotter than 40C/105F (warm to the touch), unless local exhaust ventilation is provided.

Do not use these materials in a confined space unless the confined space entry procedure is followed.

Do not spray in the direction of other personnel.

Spray only at arms length.

Do not spray for more than a few seconds inside enclosed areas, such as inside vehicles.

Do not smoke in the area of handling, due to the possible production of hazardous decomposition products.

Employees who handle these materials must wash their hands with soap and water thoroughly before eating, smoking, or using toilet facilities.

Keep vapours of these products away from flames, arc welding, high temperature surfaces, etc., to avoid toxic and corrosive decomposition products.

STORAGE REQUIREMENTS

Store in a cool, dry, well ventilated area, away from sources of heat and ignition.

Store in an approved flammable liquids storage area.

Containers may rupture if heated above 50C/120F (warm to the touch).

Protect containers from physical damage.

COMMENTS

SECTION 9 - PREPARATION INFORMATION

PREPARED BY:

GENERAL MOTORS OF CANADA INDUSTRIAL HYGIENE

PHONE NUMBER

(905) 644-6013

DATE

06-04-03