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\* MSDS \*

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\* Canadian Centre for Occupational Health and Safety \*

\*\*\*\*\* Issue : 95-3 (August, 1995) \*

\*\*\* IDENTIFICATION \*\*\*

MSDS RECORD NUMBER : 477604

PRODUCT NAME(S) : CHEVRON Metalworking Fluid 503

PRODUCT IDENTIFICATION : CPS233813

MSDS Number: 000610

DATE OF MSDS : 1989-08-02

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DISCLAIMER :

Note from Chevron Canada Limited: The above information is based on the data of which we are aware and is believed to be correct as of the date hereof.

Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent as to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use.

This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\* SUPPLIER/DISTRIBUTOR INFORMATION \*\*\*

SUPPLIER/DISTRIBUTOR : Chevron Canada Limited

ADDRESS : 1500 - 1050 West Pender Street

Vancouver British Columbia

Canada V6E 3T4

EMERGENCY TELEPHONE NO. : 800-457-2022

\*\*\* MATERIAL SAFETY DATA \*\*\*

Material Safety Data Sheet

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CHEVRON Metalworking Fluid 503

CPS233813

H.C. DE VILLIERS  
AS ABOVE  
AS ABOVE, 00 00000000  
Print Date: January 04, 1990

MATERIAL ORDERED FOR:  
1500 1050 WEST PENDER ST.  
VANCOUVER, B.C.  
CANADA V6E 3T4, 00 0000000

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

The Chevron MSDSs have been reformatted and expanded to provide you with useful hazard warnings and health evaluations and to facilitate your compliance with local, State and Federal regulations.

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1. PRODUCT IDENTIFICATION  
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CHEVRON Metalworking Fluid 503

- A HAZARD WARNING IS NOT REQUIRED FOR THIS PRODUCT UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

CHEVRON PRODUCT NUMBER(S): CPS233813  
PRODUCT INFORMATION: (800)582-3835  
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2. FIRST AID  
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EYE CONTACT:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN CONTACT:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

INHALATION:

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot

be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

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### 3. IMMEDIATE HEALTH EFFECTS

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#### EYE CONTACT:

This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the data from similar materials.

#### SKIN IRRITATION:

This substance is not expected to cause prolonged or significant skin irritation. This hazard evaluation is based on data from similar materials.

#### DERMAL TOXICITY:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on data from similar materials.

#### RESPIRATORY/INHALATION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This hazard evaluation is based on data from similar materials.

#### INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. This hazard evaluation is based on data from similar materials.

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### 4. PROTECTIVE EQUIPMENT

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#### EYE PROTECTION:

No special eye protection is usually necessary.

#### SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

#### RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended.

#### VENTILATION:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

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### 5. FIRE PROTECTION

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FLASH POINT: (COC) 350F (177C)

AUTOIGNITION: NDA

FLAMMABILITY: NA

EXTINGUISHING MEDIA:

CO<sub>2</sub>, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 0; Flammability 1; Reactivity 0; Special NDA;

HMIS RATINGS: Health 0; Flammability 1; Reactivity 0; Other NDA;

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained

using the guidelines or published evaluations prepared by the National Fire

Protection Association or, if applicable, the National Paint and Coating

Association, and do not necessarily reflect the hazard evaluation of the

Chevron Environmental Health Center. Read the entire document and label

before using this product.

FIRE FIGHTING PROCEDURES:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur. Combustion may produce toxic compounds of toxic chlorine. Incomplete combustion can produce carbon monoxide.

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## 6. STORAGE, HANDLING, AND REACTIVITY

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HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

SPECIAL PRECAUTIONS:

DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. CAUTION! Do not use pressure to empty drum or explosion may result.

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## 7. PHYSICAL PROPERTIES

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SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Tacky, amber liquid.

BOILING POINT: NA  
MELTING POINT: NA  
EVAPORATION: NA  
SPECIFIC GRAVITY: 0.93 @ 15.6/15.6C  
VAPOR PRESSURE: NA  
PERCENT VOLATILE (VOLUME %): NA  
VAPOR DENSITY (AIR=1): NA  
VISCOSITY: 36.4 cSt @ 40C (Min.)

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## 8. SPILL RESPONSE AND DISPOSAL

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CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).

### SPILL/LEAK PRECAUTIONS:

This material is not expected to present any environmental problems other than those associated with oil spills.

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

### DISPOSAL METHODS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

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## 9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

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### COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

Based upon information reviewed to date, this product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5mg/m<sup>3</sup>, the OSHA PEL is 5mg/m<sup>3</sup>.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

### PERCENT/CAS# COMPONENT/REGULATORY LIMITS

100.0%	CHEVRON Metalworking Fluid 503
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CONTAINING

> 80.0% LUBRICATING BASE OIL

The BASE OIL may be a mixture of any of the following: CAS 64741884, CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742627, CAS 64742650, CAS 72623837.

< 15.0% ADDITIVES

5.0% CHLORINATED PARAFFIN  
CAS63449398

TLV - Threshold Limit Value            PEL - Permissible Exposure Limit  
STEL - Short-term Exposure Limit       TPQ - Threshold Planning Quantity  
RQ - Reportable Quantity                CPS - CUSA Product Code  
CC - Chevron Chemical Company        CAS - Chemical Abstract Service Number

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10. REGULATORY INFORMATION  
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DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT  
DOT HAZARD CLASS: NOT APPLICABLE  
DOT IDENTIFICATION NUMBER: NOT APPLICABLE

SARA 311 CATEGORIES:    1. Immediate (Acute) Health Effects; NO  
                              2. Delayed (Chronic) Health Effects; NO  
                              3.                            Fire Hazard; NO  
                              4. Sudden Release of Pressure Hazard; NO  
                              5.                            Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

REGULATORY LISTS:

01=SARA 313            02=MASS RTK            03=NTP Carcinogen  
04=CA Prop. 65        05=MI 406              06=IARC Group 1  
07=IARC Group 2A     08=IARC Group 2B     09=SARA 302/304  
10=PA RTK            11=NJ RTK              12=CERCLA 302.4  
13=MN RTK            14=ACGIH TLV          15=ACGIH STEL

16=ACGIH Calculated TLV 17=OSHA PEL 18=OSHA STEL  
19=Chevron TLV 20=EPA Carcinogen 21=TSCA SECT 4  
22=TSCA SECT 5 SNUR 23=TSCA SECT 6 RULE 24=TSCA SECT 12 EXPORT  
25=TSCA SECT 8A CAIR 26=TSCA SECT 8D REPORT 27=TSCA SECT 8E  
28=Canadian WHMIS

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11. PRODUCT TOXICOLOGY DATA  
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EYE IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

SKIN IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

DERMAL TOXICITY:

NDA. The hazard evaluation was based on data from similar materials.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data from similar materials.

INGESTION:

NDA. The hazard evaluation was based on data from similar materials.

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12. ADDITIONAL HEALTH DATA  
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ADDITIONAL HEALTH DATA COMMENT:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains chlorinated paraffin. A similar chlorinated paraffin caused an increase in tumors when given in very high oral doses to mice and rats for the duration of their lifespans. The significance to man of the results of this study is not known. We believe that low level or infrequent exposure to this material is not likely to cause cancer or other serious disease.

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Revision Number: 3 Revision Date: 08/02/89 MSDS Number: 000610

NDA - No Data Available    NA - Not Applicable

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.