



? Spanish

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY

Product code and name:

0958M MARFAK MULTIPURPOSE 2 [00958]

Chemical name and/or family or description:

Greases

Manufacturer's name and address:

PRODUCTOS TEXACO S.A. de C.V.

Oriente 171-401, Aragon Inguaran
07820, Mexico D.F., Mexico

Telephone numbers:

Transportation emergency:

525-751-0600

CHEMTREC (USA): (800) 424-9300

Health emergency-Company: (504) 680-1900

MSDS Assistance (USA):(845)838-7204

Technical Information - Fuels, Fuel Additives: (845) 838-7611

Technical Information - Coolants: (845) 838-7444

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product and/or component(s) Carcinogenic

According to:

NONE

Name	Cas nr	Range in %
Non-hazardous mixture of components in highly refined base oil	-	100

3 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

WARNING STATEMENT

ONE CONSIDERED NECESSARY**RECAUTIONARY MEASURES:**

Avoid prolonged breathing of vapor, mist, or gas.

Workers should wash exposed skin several times daily with soap and water.

HMIS

Health: 0

Flammability: 1

Reactivity: 0

Special: -

IFPA

Health: 0

Flammability: 1

Reactivity: 0

Special: -

Primary Route of Exposure:

EYES

SKIN

INHALATION

EFFECTS OF OVEREXPOSURE**Acute:****Eyes:**

May cause minimal irritation, experienced as temporary discomfort.

Skin:

Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.

Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact, see other effects, below, and Section 11 for information regarding potential long term effects.

Inhalation:

Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

Ingestion:

If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Sensitization Properties:

Unknown.

Chronic:

No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable animal data.

Medical Conditions Aggravated by Over Exposure:

Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

Other Remarks:

Material from high pressure equipment, pinhole leaks, or high pressure line failure can penetrate the skin and, if not properly treated, can cause severe injury, including disfigurement, loss of function, or even require amputation of the affected area. To prevent such serious injury, immediate medical attention should be sought even if the injection injury appears to be minor.

4. FIRST AID MEASURES**Eye:**

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

Skin:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:

If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

Inhalation:

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Other Instructions:

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

Note to Physician:

High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

5. FIRE-FIGHTING MEASURES

Ignition Temperature - AIT (degrees C):

Not determined.

Flash Point (degrees C):

Not applicable.

Recommended Fire Extinguishing Agents and Special Procedures:

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers.

Water or foam may cause frothing.

Unusual or Explosive Hazards:

None

Extinguishing Media Which Must Not be Used:

Water jet.

Special Protective Equipment for Firefighters:

Other than normal protective fire-fighting equipment, no special equipment or procedures required.

FIRE:

In case of fire, use water spray, dry chemical, foam or carbon dioxide. Water may cause frothing. Use water spray to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Procedures in Case of Accidental Release, Breakage or Leakage:

Contain spill if possible, contain with absorbent materials such as clay or soil, and shovel up. Avoid skin and eye contact.

7. HANDLING AND STORAGE

Precautions to be Taken in

Handling:

Minimum feasible handling temperatures should be maintained.

Storage:

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment (Type)**Eye/Face Protection:**

Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection:

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation:

Not applicable.

Exposure Control for Total Product:

Mineral oil mist: OSHA PEL-TWA 5 mg/m³, ACGIH TLV-TWA 5 mg/m³.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Semi-solid
Odor:	Mild odor
Boiling Point (degrees C):	Not applicable.
Melting/Freezing point (degrees C):	Not determined.
Specific Gravity (water=1):	Not determined.
pH of undiluted product:	Not applicable.
Vapor Pressure:	Not applicable.
Viscosity (degrees C):	Not applicable.
VOC Content:	Not determined.
Vapor Density (air=1):	Not applicable.
Solubility in Water (%):	Not determined.
Other:	None

0. STABILITY AND REACTIVITY**This material reacts violently with:**

Strong Oxidizers

Comments:

None

Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones, and combustion products or compounds of little concern.
sulfur
nitrogen

Hazardous Polymerizations:

No

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Median Lethal Dose

Oral:

LD50 Believed to be > 5.00 g/kg (rat) practically non-toxic

Inhalation:

Not determined.

Dermal:

LD50 Believed to be > 2.00 g/kg (rabbit) practically non-toxic

Irritation Index, Estimation of Irritation (Species)

Skin:

(Draize) Believed to be < 0.5 /8.0 (rabbit) no appreciable effect

Eyes:

(Draize) Believed to be < 15 /110 (rabbit) no appreciable effect

Sensitization:

Not determined.

Other:

No

12. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

Dispose of this product in accordance with local and/or national regulations.

Remarks:

None

13. TRANSPORT INFORMATION

DOT: Not regulated

IMDG: Not regulated

ICAO: Not regulated

14. REGULATORY INFORMATION

Regulatory Information:

Regulatory Comments:

No

5. ENVIRONMENTAL INFORMATIONAquatic Toxicity:

Not determined.

Mobility:

Not determined.

Persistence and Biodegradability:

Not determined.

Potential to Bioaccumulate:

Not determined.

Remarks:

None

6. OTHER INFORMATIONOther Information:

None

7. PRODUCT LABEL**MATERIAL IDENTITY****Product code and name:**

1958M MARFAK MULTIPURPOSE 2 [00958]

<u>Name</u>	<u>Cas nr</u>	<u>Range in %</u>
		100

Non-hazardous mixture of components in highly refined base oil

WARNING STATEMENT

NONE CONSIDERED NECESSARY

PRECAUTIONARY MEASURES:

Avoid prolonged breathing of vapor, mist, or gas.

Workers should wash exposed skin several times daily with soap and water.

HMS

Health:

)

Flammability:

Reactivity:

)

Special:**IFPA**

Health:

)

Flammability:

Reactivity

)

Special:Eyes:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

Skin:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:

If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

Inhalation:

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Note to Physician:

High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

FIRE:

In case of fire, use water spray, dry chemical, foam or carbon dioxide. Water may cause frothing. Use water spray to cool fire-exposed containers.

DOT:

Not regulated

Manufacturer's name and address:

PRODUCTOS TEXACO S.A. de C.V.

Oriente 171-401, Aragon Inguaran

07820, Mexico D.F., Mexico

Telephone numbers:

Transportation emergency:

525-751-0600

Health emergency-Company:(504) 680-1900

Product Code :

Revised : 20/10/2000

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF THE COMPANY'S PRODUCT STEWARDSHIP PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL THE COMPANY'S PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL THE COMPANY'S PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN. TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. THE COMPANY DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.