

# USED OIL FILTERS



## SAFETY DATA SHEET

### 1. Product And Company Identification

SDS ID: SDS600  
PRODUCT NAME: Fram® High Mileage Oil Filter With TRT  
PRODUCT NUMBER: FHM10060, FHM10060S, FHM16, FHM16S, FHM2, FHM2870A, FHM2870AS, FHM2951, FHM2951S, FHM2S, FHM30, FHM30S, FHM3387A, FHM3387AS, FHM3506, FHM3506S, FHM3593A, FHM3593AS, FHM3600, FHM3600S, FHM3614S, FHM3614, FHM3675S, FHM3675, FHM3682S, FHM3682, FHM3976A, FHM3980S, FHM3980, FHM3985, FHM43S, FHM43, FHM4386S, FHM4386, FHM4967, FHM4967S, FHM5, FHM5S, FHM7317, FHM7317S, FHM8A, FHM8AS, FHM9688, FHM9688S, FHM9837, FHM9837S

FORMULA NUMBER: GT4967

**MANUFACTURER:**

**US Office:**

FRAM Group Operations LLC  
Perrysburg, OH 43551

**Canadian Office**

FRAM Group (Canada), Inc.  
Mississauga, Ontario L5L 3S6

**MEDICAL EMERGENCIES AND ALL OTHER INFORMATION PHONE NUMBER:**

(800)890-2075 (in the US)

(800)668-9349 (in Canada)

**TRANSPORTATION EMERGENCY PHONE NUMBER (Chemical Spills and Transport Accidents only):**

CHEMTREC 1-800-424-9300 (in the US)

CANUTEC (613)996-6666 (in Canada)

SDS DATE OF PREPARATION/REVISION: 08/08/2014

PRODUCT USE: Automobile oil filter with additive gel – consumer product

### 2. Hazards Identification

**GHS/HAZCOM 2012 Classification:**

This product is a manufactured article (Automobile oil filter) containing an additive gel. No adverse effects are expected with normal handling of the metal filter. Contact with the gel may cause adverse effects and are classified as follows:

Health	Physical
Not Hazardous	Not Hazardous

Label Elements: None

### 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Proprietary Additives	Proprietary	>99%
Diphenylamine	122-39-4	0.1-0.9%

The exact concentrations are a trade secret.



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### 7. Handling and Storage

#### PRECAUTIONS FOR SAFE HANDLING:

Filter contains petroleum oil gel. Avoid contact with the eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists from heated gel. Use with adequate ventilation. Wash exposed skin with soap and water after use.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a cool, dry area away from incompatible materials.

NFPA CLASSIFICATION: IIIB

### 8. Exposure Controls / Personal Protection

#### EXPOSURE GUIDELINES

CHEMICAL	EXPOSURE LIMIT
Proprietary Additives (as mineral oil mist)	5 mg/m <sup>3</sup> TWA ACGIH TLV (Inhaleable) 5 mg/m <sup>3</sup> TWA OSHA PEL
Diphenylamine	10 mg/m <sup>3</sup> TWA ACGIH TLV

**APPROPRIATE ENGINEERING CONTROLS:** General ventilation should be adequate for all normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

#### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** None under normal use conditions. For operations where the occupational exposure limits may be exceeded, an approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**GLOVES:** None under normal use conditions. Impervious gloves such as neoprene or nitrile are recommended for operations which may result in prolonged or repeated skin contact with gel.

**EYE PROTECTION:** None under normal use conditions. Safety glasses are recommended if needed to avoid eye contact with gel.

**OTHER PROTECTIVE EQUIPMENT/CLOTHING:** Appropriate protective clothing as needed to minimize skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

### 9. Physical and Chemical Properties

APPEARANCE:	Dark colored gel in a metal filter	ODOR:	Mild
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**CHRONIC HAZARDS:** Prolonged or repeated skin contact may cause irritation. Used motor oils have been found to cause skin cancer in skin painting studies with laboratory animals. Diphenylamine has been found to cause adverse effects on the developing fetus in some animal studies.

**CARCINOGENICITY LISTING:** None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or the EU Directive. All the oils in this product have been demonstrated to contain less than 3% DMSO extractable by the IP 346 test. Used motor oils have been found to cause skin cancer in skin painting studies with laboratory animals.

### Acute Toxicity Values:

Toxicity values for the gel product: LD50 Oral Rat >5000 mg/kg  
LD50 Skin Rabbits >2000 mg/kg.

Diphenylamine: LD50 Oral Rat >800 mg/kg

## 12. Ecological Information

### ECOTOXICITY:

Gel product: LC50 fish >1000 mg/L  
EC50 daphnia 100-1000 mg/L  
EC50 for bacteria is >1000 mg/L

Diphenylamine: EC50: Daphnia Magna: 2 mg/L/48 hr.  
EC50: Algae: 2.17 mg/L/72 hr.

### PERSISTENCE AND DEGRADABILITY:

Gel product: At least 25% of the components in the product gel show moderate biodegradability in OECD 301 and at least 25% show limited biodegradation in OECD 302.

Diphenylamine: Not readily biodegradable.

### BIOACCUMULATIVE POTENTIAL:

No data available.

### MOBILITY IN SOIL:

No data available.

**OTHER ADVERSE EFFECTS:** None known

## 13. Disposal Considerations

Dispose of product in accordance with all local, state/provincial and federal regulations.



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This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS): All of the ingredients are listed on the EINECS or ELINCS inventory.

EUROPEAN LABELING: None Required

AUSTRALIA: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

JAPAN: All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITI) List.

KOREA: All of the ingredients of this product are listed on the Korean Existing Chemicals List (KECL).

CHINA: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

PHILIPPINES: All of the ingredients of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

### 16. Other Information

**NFPA Rating:** Fire: 1 Health: 0 Instability: 0

**Revision Summary:** All Sections – conversion to Hazcom 2012 classification and labeling and format.

**SDS Date of Preparation/Revision:** August 8, 2014

#### Disclaimer of Liability:

The information contained herein is based on the data available to us and, is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by use of this material. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. Users of this product should satisfy themselves that the conditions and methods of use assure the product is used safely. No representatives or warranties, either expressed or implied, or any nature are made hereunder with respect to the information contained within. It is the responsibility of the user to comply with ant and all federal, state or local laws and regulations that may exist. Nothing contained herein is to be construed as a recommendation for use in violation of any applicable laws or regulations.

Consult Fram Group 1-800-890-2075 for further information.