

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 / WHMIS 2022

Revision date: 5 June 2024 **Date of previous issue:** 13 April 2023 **SDS No.** 164B-20

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

690 FG Lubricant (Bulk)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Petroleum base lubricant. Penetrates and loosens rust, scale, corrosion, dirt, graphite, etc., without injury to the basic metal, wood, paint or plastic. For equipment in food, beverage and pharmaceutical plants.

Uses advised against: No information available

Reason why uses advised against: Not applicable

1.3. Details of the supplier of the safety data sheet

Company:

A.W. CHESTERTON COMPANY

860 Salem Street

Groveland, MA 01834-1507, USA

Tel. +1 978-469-6446

(Mon. - Fri. 8:30 - 5:00 PM EST)

SDS requests: www.chesterton.com

E-mail (SDS questions): ProductSDSs@chesterton.com

E-mail: customer.service@chesterton.com

Supplier:

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055

1.4. Emergency telephone number

24 hours per day, 7 days per week

Call Infotrac: 1-800-535-5053

Outside N. America: +1 352-323-3500 (collect)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to 29 CFR 1910.1200 / WHMIS 2022

Aspiration hazard, Category 1, H304

Reproductive toxicity, Category 2, H361f

Hazardous to the aquatic environment, Chronic, Category 2, H411

2.1.2. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

2.2. Label elements

Labeling according to 29 CFR 1910.1200 / WHMIS 2022

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H304

May be fatal if swallowed and enters airways.

H361f

Suspected of damaging fertility.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements:	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P273	Avoid release to the environment.
	P280	Wear protective gloves and eye protection.
	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	P331	Do NOT induce vomiting.
	P308/313	IF exposed or concerned: Get medical advice/attention.
	P391	Collect spillage.
	P405	Store locked up.
	P501	Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

2.3. Other hazards

None expected in industrial use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous Ingredients ¹	% Wt.	CAS No.
White mineral oil (petroleum)	> 90	8042-47-5
O,O,O-triphenyl phosphorothioate	0.1-0.9	597-82-0
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	0.1-0.3	68411-46-1

For full text of H-statements: see SECTIONS 2.2 and 16.

¹ Classified according to: • 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)
• WHMIS 2022, GHS

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin contact: Wash skin with soap and water. Contact physician if irritation persists.

Eye contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: Do not induce vomiting. Contact physician immediately.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2. Most important symptoms and effects, both acute and delayed

Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, foam or water fog

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Thermal decomposition may produce Carbon Monoxide and Carbon Dioxide.

Other hazards: Water may cause frothing.

5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

6.3. Methods and material for containment and cleaning up

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash before eating, drinking or smoking. Utilize exposure controls and personal protection as specified in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values

Ingredients	OSHA PEL ¹		ACGIH TLV ²	
	ppm	mg/m ³	ppm	mg/m ³
Oil mist, mineral	N/A	5	N/A	5
O,O,O-triphenyl phosphorothioate	N/A	N/A	N/A	N/A
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	N/A	N/A	N/A	N/A

¹ United States Occupational Health & Safety Administration permissible exposure limits

² American Conference of Governmental Industrial Hygienists threshold limit values

Biological limit values

No biological exposure limits noted for the ingredient(s).

8.2. Exposure controls

8.2.1. Engineering measures

Use only in well-ventilated areas.

8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limits are exceeded, use approved organic vapor respirator.

Protective gloves: Not normally needed.

Eye and face protection: Safety glasses

Other: None

8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	liquid	pH	not applicable
Colour	colorless	Kinematic viscosity	17.93 cst @ 40°C
Odour	not applicable	Solubility in water	negligible
Odour threshold	not determined	Partition coefficient n-octanol/water (log value)	not applicable
Boiling point or range	299°C (570°F)	Vapour pressure @ 20°C	< 1 mm Hg
Melting point/freezing point	not determined	Density and/or relative density	0.88 kg/l
% Volatile (by volume)	0%	Weight per volume	7.32 lbs/gal.
Flammability	not determined	Vapour density (air=1)	> 1
Lower/upper flammability or explosion limits	not determined	Rate of evaporation (ether=1)	< 1
Flash point	171°C (340°F)	% Aromatics by weight	0%
Method	Open Cup	Particle characteristics	not applicable
Autoignition temperature	not determined	Explosive properties	not applicable
Decomposition temperature	no data available	Oxidising properties	not applicable

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Refer to sections 10.3 and 10.5.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

10.4. Conditions to avoid

Open flames and red hot surfaces.

10.5. Incompatible materials

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

10.6. Hazardous decomposition products

Thermal decomposition may produce Carbon Monoxide and Carbon Dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Primary route of exposure under normal use:** Skin and eye contact.**Acute toxicity -****Oral:** Based on available data on components, the classification criteria are not met.

Substance	Test	Result
White mineral oil (petroleum)	LD50, rat	> 5000 mg/kg

Dermal: Based on available data on components, the classification criteria are not met.

Substance	Test	Result
White mineral oil (petroleum)	LD50, rabbit	> 2000 mg/kg

Inhalation: Based on available data on components, the classification criteria are not met.

Substance	Test	Result
White mineral oil (petroleum)	LC50, rat, 4 hours	> 5 mg/l

Skin corrosion/irritation: White mineral oil (petroleum): not irritating.**Serious eye damage/irritation:** White mineral oil (petroleum): not irritating.

Respiratory or skin sensitisation:

Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin sensitization, guinea pig (OECD 406)	Not sensitizing

Germ cell mutagenicity:

Mutagenicity not suspected for humans.

Substance	Test	Result
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Ames test	negative

Carcinogenicity:

This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).

Reproductive toxicity:

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene has produced effects on fertility in an animal ingestion study.

Substance	Test	Result
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	rat, male/female, oral, 1 generation, OECD 443	Effects on fertility

STOT – single exposure:

Not expected to cause toxicity.

STOT – repeated exposure:

No information available

Aspiration hazard:

Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema.

Other information:

None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

The product is not readily biodegradable to OECD criteria but is inherently biodegradable.

12.3. Bioaccumulative potential

O,O,O-triphenyl phosphorothioate: has the potential to bioaccumulate.

12.4. Mobility in soil

Liquid. Solubility in water: negligible. Floats on water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). White mineral oil (petroleum): expected to exhibit low mobility in soil.

12.5. Endocrine disrupting properties

None known

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Incinerate absorbed material with a properly licensed facility. Incinerate or fuel blend spent or unused product. Check local, state and national/federal regulations and comply with the most stringent requirement.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number or ID number**

RID/IMDG/ICAO: NOT APPLICABLE

TDG: NOT APPLICABLE

US DOT: NOT APPLICABLE

14.2. UN proper shipping name

RID/IMDG/ICAO: NON-HAZARDOUS, NON REGULATED

TDG: NON-HAZARDOUS, NON REGULATED

US DOT: NON-HAZARDOUS, NON REGULATED

14.3. Transport hazard class(es)

RID/IMDG/ICAO: NOT APPLICABLE

TDG:	NOT APPLICABLE
US DOT:	NOT APPLICABLE
14.4. Packing group	
RID/IMDG/ICAO:	NOT APPLICABLE
TDG:	NOT APPLICABLE
US DOT:	NOT APPLICABLE
14.5. Environmental hazards	
	NOT APPLICABLE
14.6. Special precautions for user	
	NOT APPLICABLE
14.7. Maritime transport in bulk according to IMO instruments	
	NOT APPLICABLE
14.8. Other information	
	NOT APPLICABLE
SECTION 15: REGULATORY INFORMATION	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1. National regulations	
US EPA SARA TITLE III	
312 Hazards:	Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:
Aspiration hazard	None
Reproductive toxicity	
TSCA: All components are listed or exempted.	
Other national regulations:	Not applicable
SECTION 16: OTHER INFORMATION	
Abbreviations and acronyms:	<p>ATE: Acute Toxicity Estimate BCF: Bioconcentration Factor cATpE: Converted Acute Toxicity point Estimate ES: Exposure Standard GHS: Globally Harmonized System ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population LD50: Lethal Dose to 50% of a test population LOEL: Lowest Observed Effect Level N/A: Not Applicable NA: Not Available NOEC: No Observed Effect Concentration NOEL: No Observed Effect Level OECD: Organization for Economic Co-operation and Development (Q)SAR: Quantitative Structure-Activity Relationship REL: Recommended Exposure Limit RID: Regulations concerning the International Carriage of Dangerous Goods by Rail SDS: Safety Data Sheet STEL: Short Term Exposure Limit STOT RE: Specific Target Organ Toxicity, Repeated Exposure STOT SE: Specific Target Organ Toxicity, Single Exposure TDG: Transportation of Dangerous Goods (Canada) TWA: Time Weighted Average US DOT: United States Department of Transportation WHMIS: Workplace Hazardous Materials Information System Other abbreviations and acronyms can be looked up at www.wikipedia.org.</p>
Key literature references and sources for data:	<p>Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST) Chemical Classification and Information Database (CCID) European Chemicals Agency (ECHA) - Information on Chemicals Hazardous Chemical Information System (HCIS) National Institute of Technology and Evaluation (NITE) U.S. National Library of Medicine Toxicology Data Network (TOXNET)</p>

Procedure used to derive the classification for mixtures according to GHS:

Classification	Classification procedure
Asp. Tox. 1, H304	On basis of test data
Repr. 2, H361f	Calculation method
Aquatic Chronic 2, H411	Calculation method

Relevant H-statements: H304: May be fatal if swallowed and enters airways.
H361F: Suspected of damaging fertility.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Further information: None

Date of last revision: 5 June 2024

Changes to the SDS in this revision: Sections 1.3, 2.1, 2.2, 3, 8.1, 9.1, 9.2, 11, 12.1, 12.3, 12.4, 12.5, 16.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.