

**SAFETY DATA SHEET**

in accordance with 1907/2006/EC (REACH, as amended by 453/2010/EC) and 29 CFR 1910.1200

**Revision date:** 10 September 2015      **Initial date of issue:** 9 April 2014      **SDS No.** 453A-2

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

**1.1. Product identifier**

636 FG SLF-220 (Aerosol)

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

Lubricant for use on oven chains in food processing plants.

**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 Fax: +1 978-469-6785  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: www.chesterton.com  
E-mail (SDS questions): ProductMSDSs@chesterton.com  
E-mail: customer.service@chesterton.com

**Supplier:**

**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 Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS**

Aerosol 1, H222, H229

**2.1.2. Classification according to WHMIS 1988**

B5: Flammable aerosols

**2.1.3. Australian statement of hazardous nature**

Hazardous according to criteria of Safe Work Australia.

**2.1.4. Additional information**

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

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS**

**Hazard pictograms:**



**Signal word:**

Danger

**Hazard statements:**

H222 Extremely flammable aerosol.  
H229 Pressurized container: May burst if heated.

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

**Supplemental information:**

None

**2.3. Other hazards**

Simple asphyxiant.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Petroleum gases, liquefied, sweetened*	10-20	68476-86-8 270-705-8	NA	Flam. Gas 1, H220 Press. Gas, H229 Simple Asphy. (US/Can.)

Other ingredients:

Stabilized dipentaerythritol esters	80-90	67762-52-1 267-021-7	NA	Not classified
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\*Contains less than 0.1 % w/w 1,3-Butadiene.  
For full text of H-statements: see SECTION 16.

<sup>1</sup> Classified according to: \* 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), California Proposition 65  
\* 1272/2008/EC, REACH  
\* WHMIS 2015  
\* Safe Work Australia [NOHSC: 1008 (2004)]

**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. Consult physician if irritation develops.

**Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Consult physician if irritation develops.

**Ingestion:** If person is conscious, wash out mouth with water and give plenty of water to drink. Do not induce vomiting. If symptoms persist, call a physician.

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

Direct eye contact may cause eye irritation.

**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, water fog.

**Unsuitable extinguishing media:** High volume water jet

**5.2. Special hazards arising from the substance or mixture**

Pressurized containers, when heated, are a potential explosive hazard.

**5.3. Advice for firefighters**

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

**Flammability Classification:** –

**HAZCHEM Emergency Action Code:** 2 **Z**

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Utilize exposure controls and personal protection as specified in Section 8. Keep away from sources of ignition - No smoking.

**6.2. Environmental Precautions**

No special requirements.

**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. Wash walking surfaces with detergent and water to reduce slipping hazard.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Keep away from sources of ignition - No smoking. Do not spray on an open flame or other ignition source. Utilize exposure controls and personal protection as specified in Section 8. Wash before eating, drinking or smoking. Wash clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn, even after use.

**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 <sup>1</sup>		ACGIH TLV <sup>2</sup>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Petroleum gases, liquefied, sweetened*	1000	–	–	–	1000	–	1000	–
Stabilized dipentaerythritol esters	–	–	–	–	–	–	–	–

\*Simple asphyxiant.

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits.

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values.

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

**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.

**Protective gloves:** Chemical resistant gloves

**Eye and face protection:** Safety goggles or glasses.

**Other:** None

**8.2.3. Environmental exposure controls**

No special requirements.

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

<b>Physical state</b>	low viscosity foam	<b>Odour</b>	petroleum odor
<b>Colour</b>	creamy light yellow-white foam, clear to amber liquid	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not determined	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	< -30°C (< -22°F)	<b>% Aromatics by weight</b>	not determined
<b>% Volatile (by volume)</b>	3.25%, product only	<b>pH</b>	not applicable
<b>Flash point</b>	315°C (599°F), product only	<b>Relative density</b>	0.972 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	8.10 lbs/gal.
<b>Viscosity</b>	220 cSt @ 40°C	<b>Coefficient (water/oil)</b>	< 1
<b>Autoignition temperature</b>	not determined	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	not applicable	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not applicable
<b>Explosive properties</b>	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**

None known

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide and other toxic fumes (by combustion).

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

**Primary route of exposure under normal use:** Inhalation, skin and eye contact.

**Acute toxicity -****Oral:**

Substance	Test	Result
Stabilized dipentaerythritol esters	LD50, rat	> 2000 mg/kg, estimated

**Dermal:**

No information available

**Inhalation:**

Petroleum gas: simple asphyxiant.

**Skin corrosion/irritation:**

Not expected to result in significant irritation.

**Serious eye damage/irritation:**

Not expected to result in significant irritation.

**Respiratory or skin sensitisation:**

Not expected to cause skin sensitization.

**Germ cell mutagenicity:**

No information available

<b>Carcinogenicity:</b>	As per 29 CFR 1910.1200 (Hazard Communication), 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 Regulation (EC) No 1272/2008.
<b>Reproductive toxicity:</b>	No information available
<b>STOT-single exposure:</b>	No information available
<b>STOT-repeated exposure:</b>	No information available
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met (kinematic viscosity at 40°C: 220 mm <sup>2</sup> /s).
<b>Other information:</b>	None

**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**

No information available

**12.2. Persistence and degradability**

Petroleum gases, liquefied, sweetened: degrades in air.

**12.3. Bioaccumulative potential**

Petroleum gases, liquefied, sweetened: not expected to bioaccumulate.

**12.4. Mobility in soil**

Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

**12.5. Results of PBT and vPvB assessment**

Not available

**12.6. Other adverse effects**

None known

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

Incinerate absorbed material with a properly licensed facility. Containers with product should be incinerated or the material recovered for incineration or treatment. This product is classified as a hazardous waste according to 2008/98/EC. Check local, state and national/federal regulations and comply with the most stringent requirement.

**European List of Wastes code:** 15 01 10

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

<b>ADR/RID/ADN/IMDG/ICAO:</b>	UN1950
<b>TDG:</b>	UN1950
<b>US DOT:</b>	UN1950

**14.2. UN proper shipping name**

<b>ICAO:</b>	Aerosols, Flammable
<b>IMDG:</b>	Aerosols
<b>ADR/RID/ADN:</b>	Aerosols, <i>flammable</i>
<b>TDG:</b>	Aerosols, <i>flammable</i>
<b>US DOT:</b>	Aerosols, <i>flammable</i>

**14.3. Transport hazard class(es)**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	2.1
<b>TDG:</b>	2.1
<b>US DOT:</b>	2.1

**14.4. Packing group**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE

**14.5. Environmental hazards**

NO ENVIRONMENTAL HAZARDS

**14.6. Special precautions for user**

NO SPECIAL PRECAUTIONS FOR USER

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

NOT APPLICABLE

**14.8. Other information****US DOT:** Shipped as Consumer Commodity ORM-D in packaging having a rated capacity gross weight of 66 lb. or less (49 CFR 173.306(i)). ERG NO. 126**IMDG:** EmS. F-D, S-U, Shipped as Limited Quantity**ADR:** Classification code 5F, Tunnel restriction code (E), Shipped as Limited Quantity**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU regulations****Authorisations under Title VII:** Not applicable**Restrictions under Title VIII:** None**Other EU regulations:** Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers**15.1.2. National regulations****US EPA SARA TITLE III****312 Hazards:**Immediate  
Fire  
Pressure Release**313 Chemicals:**

None

**Other national regulations:** National implementation of the EC Directive referred to in section 15.1.1.**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 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  
 NOAEL: No Observed Adverse Effect Level  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 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)  
 US DOT: United States Department of Transportation  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Information System  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission de la santé et de la sécurité du travail (CSST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Substances Information System (HSIS)  
 National Institute of Technology and Evaluation (NITE)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:**

Classification	Classification procedure
Aerosol 1, H222, H229	On basis of test data

**Relevant H-statements:** H220: Extremely flammable gas.  
 H222: Extremely flammable aerosol.

**Hazard pictogram names:** Flame

**Changes to the SDS in this revision:** Sections 2.1, 2.2, 3, 8.1, 15.1.2.

**Revision date:** 10 September 2015

**Further information:** None

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.