

SAFETY DATA SHEET



Revision Date 25-Mar-2015
Version 1

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name Fission
Product code LG-F1161-CS

Recommended use of the chemical and restrictions on use

Recommended Use Professional Carpet Cleaning.

Supplier's details

Supplier	Legend Brands Chemspec 15180 Josh Wilson Road Burlington, WA 98233 800-932-3030	Manufacturer	Legend Brands Chemspec 15180 Josh Wilson Road Burlington, WA 98233 800-932-3030
E-mail Address	msds@chemspecworld.com		

Emergency telephone number

Emergency telephone number Chemtrec: 1-800-424-9300 for US
+1 703-527-3887 outside US

2. Hazards Identification

Classification

Not Hazardous Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements

Emergency Overview

Emergency Overview Irritating to eyes Irritating to skin

Hazards not otherwise classified (HNOC)
Other information

3. Composition/Information on Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical Name	CAS-No	Weight %
Multipurpose surfactant blend	LG-C0316-A	5 - 10
Trisodium Phosphate anhydrous	7601-54-9	1 - 5
TETRAPOTASSIUM PYROPHOSPHATE	7320-34-5	1 - 5

4. First Aid Measures

4.1 Description of first-aid measures

First aid measures for different exposure routes

General advice	When symptoms persist or in all cases of doubt seek medical advice.
Eye contact	Remove contact lenses, if present. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.
Skin contact	Wash off immediately with soap and plenty of water. Use a mild soap if available.
Inhalation	Move to fresh air. Get medical attention immediately if symptoms occur.
Ingestion	Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms	See Section 2.2, Label Elements and/or Section 11, Toxicological effects.
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4.3 Recommendations for immediate medical care and/or special treatment

Notes to physician	Treat symptomatically.
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5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media	Use water spray, fog, Carbon dioxide (CO ₂), foam or dry chemical.
Unsuitable Extinguishing Media	High volume water jet.
Special Hazard	Hazardous decomposition products formed under fire conditions
Hazardous Combustion Products	Carbon oxides. Phosphorus oxides.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

5.3 Advice for firefighters

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Prevent product from entering drains. Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and Storage

7.1 Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost.

Incompatible Materials

Acids. Oxidizing agents.

8. Exposure Controls/Personal Protection

8.1 Occupational Exposure Limits (OEL)

Exposure Guidelines

TWA: Time weighted average
STEL: Short term exposure limit

Chemical Name	British Columbia	Alberta	Quebec	Ontario TWAEV
Chloromethane 74-87-3	TWA: 50 ppm STEL: 100 ppm Skin Adverse reproductive effect	TWA: 50 ppm TWA: 103 mg/m ³ STEL: 100 ppm STEL: 207 mg/m ³ Skin	TWA: 50 ppm TWA: 103 mg/m ³ STEL: 100 ppm STEL: 207 mg/m ³ Skin	TWA: 50 ppm STEL: 100 ppm Skin
Ethylene oxide 75-21-8	TWA: 0.1 ppm STEL: 1 ppm Adverse reproductive effect	TWA: 1 ppm TWA: 1.8 mg/m ³	TWA: 1 ppm TWA: 1.8 mg/m ³	TWA: 1 ppm TWA: 1.8 mg/m ³ STEL: 10 ppm STEL: 18 mg/m ³

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Long sleeved clothing.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Physical and chemical properties

Physical state	Liquid
Appearance	Colored liquid
Color	Blue
Odor	Fresh
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH VALUE	11.3	
Boiling point/boiling range		
Flash Point		
Evaporation rate	No data available	
Explosion Limits		
upper	no data available	
lower	no data available	
Vapor pressure	no data available	
Vapor density	no data available	
Relative density	1.03	
Water solubility	Soluble in water	
Partition coefficient: n-octanol/water	no data available	
Viscosity, kinematic	no data available	
Autoignition temperature	no data available	
Decomposition temperature	no data available	
Melting/freezing point	No data available	
Flammability (solid, gas)		

Other information

Volatile organic compounds (VOC) content 10.3 g/L

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.
None under normal processing.

10.4 Conditions to Avoid

No information available

10.5 Incompatible Materials

Metals

10.6 Hazardous Decomposition Products

None known

11. Toxicological Information

11.1 Product Information

Product Information Product does not present an acute toxicity hazard based on known or supplied information at the Product level

Inhalation There are no data available for this product.

Eye contact There are no data available for this product.

Skin contact There are no data available for this product.

Ingestion There are no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Chloromethane 74-87-3	1800 mg/kg (Rat)	-	5300 mg/m ³ (Rat) 4 h
Ethylene oxide 75-21-8	72 mg/kg (Rat)	-	800 ppm (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Respiratory or skin sensitization No information available.

Germ Cell Mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Chloromethane		Group 3		
Ethylene oxide	A2	Group 1 Group 2A	Known	X

Reproductive toxicity No information available.

Specific target organ systemic toxicity (single exposure) No information available.

Specific target organ systemic toxicity (repeated exposure) No information available.

Chronic toxicity Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

12. Ecological Information

12.1 Toxicity

Ecotoxicity effects

Acute aquatic toxicity

Persistence and degradability

No information available.

12.3 Bioaccumulative potential

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No adverse effects are expected.

13. Disposal Considerations

13.1 Waste Disposal Guidance

14. Transport Information

DOT

Not regulated

15. Regulatory Information

15.1 International Inventories

TSCA	-
DSL	-
PICCS	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-
NZIoC	-

"-" - Not listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Trisodium Phosphate anhydrous	5000 lb		RQ 5000 lb final RQ

			RQ 2270 kg final RQ
Chloromethane	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Ethylene oxide	10 lb	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ

15.3 U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Chloromethane - 74-87-3	Developmental Male Reproductive
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive

U.S. State Right-to-Know Regulations

Component	New Jersey	Massachusetts	Pennsylvania
Trisodium Phosphate anhydrous 7601-54-9 (1 - 5)	X	X	X

16. Other Information

NFPA	Health Hazard 0	Flammability 0	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 0	Flammability 0	Physical Hazard 0	Personal protection X

Prepared By Chemspec Regulatory Affairs/Product Safety
Revision Date 25-Mar-2015

Revision Note
No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet