



Safety Data Sheet

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

1.1 Product identifier.

Product identifier. 104911 |
Product name. Fission UK
Pure substance/mixture. No Information

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

Recommended Use. Professional Carpet Cleaning
Uses advised against. Professional Use Only

1.3 Details of the supplier of the safety data sheet.

Supplier. Legend Brands
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands Europe
22 Plover Close Interchange Park
Newport Pagnell MK069PS UK
+44 (0) 1908 611211

1.4 Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 9773
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240(24h available English / German)
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland +354 543 2222
Italy Poison Center, Milan (IT): +39 02 6610 1029
Luxemborg 112
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available To health professionals)
Norway Poisons Information (NO): + 47 22 591300
Portugal Poison Information Center (PT): +351 800 250 250
Spain Poison Information Service (ES): +34 91 562 04 20
Sweden Poisons Information Center (SV): +46 8 33 12 31
Switzerland Poison Center: Tel 145; +41 44 251 51 51
United Kingdom 111 / 0300 020 0155

2. Hazards Identification

2.1 Classification of the substance or mixture. (Regulation (EC) No 1272/2008)

Skin Corrosion, category 1

2.2 Label elements.

**Signal Word**

Danger

Hazardous components which must be listed on the label

Ethoxylated alcohols, C9-C11, Poly(oxy-1,2-ethanediyl), a,a'-[[methyl[3-(tridecyloxy)propyl]iminio]

Possible Hazards

< 1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

H314 Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 Wash face, hands and any exposed skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

EMERGENCY OVERVIEW: No Information

3. Composition/Information on Ingredients**3.1 Substances.**

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures.

CAS-No.	EC No.	REACH Reg No.	Wt. %	Chemical Name	Classification (1272/2008/EC)
68439-46-3	No Information	No Information	2.5-10	Ethoxylated alcohols, C9-C11	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
7601-54-9	231-509-8	No Information	2.5-10	Trisodium Phosphate anhydrous	Skin Irrit. 2 (H315) STOT SE 3 RTI (H335)
7320-34-5	230-785-7	No Information	2.5-10	TETRAPOTASSIUM PYROPHOSPHATE	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Aquatic Chronic 3 (H412)
29911-28-2	249-951-5	No Information	1.0-2.5	Dipropylene Glycol Butyl Ether	Eye Irrit. 2A (H319)
68610-19-5	No Information	No Information	1.0-2.5	Poly(oxy-1,2-ethanediyl), a,a'-[[methyl[3-(tridecyloxy)propyl]iminio]di-2,1-ethanediyl]bis[w-hydroxy-, branched, chlorides	Acute Tox. 4 Oral (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
67-63-0	200-661-7	01-2119457558-25-xxxx	< 1.0	Isopropyl alcohol	Flam. Liq. 2 (H225) Eye Irrit. 2A (H319) STOT SE 3 NE (H336)

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First-aid Measures

4.1 Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation.

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician immediately.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

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

Symptoms

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

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

Notes to physician

Treat symptomatically.

5. Fire-fighting Measures

5.1 Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, fog, Carbon dioxide (CO₂), foam or dry chemical.

No Information

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

5.2 Special hazards arising from the substance or mixture.

Hazardous decomposition products formed under fire conditions.

5.3 Advice for firefighters.

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

Use personal protection recommended in Section 8.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

6.2 Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment.

Methods for cleaning up.

Use personal protective equipment as required.

6.4 Reference to other sections

See section 8 for more information.

7. Handling and Storage

7.1 Precautions for safe handling.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

Hygiene measures.

See section 7 for more information.

7.2 Conditions for safe storage, including any incompatibilities.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place. Store in original container.

7.3 Specific end use(s)

Specific use(s)

No Information

Exposure scenario

No Information Available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limit Values

Chemical Name	Austria	Belguim	Denmark	European Union	Finland	France
Isopropyl alcohol 67-63-0	STEL: 800 ppm STEL: 800 ppm STEL: 2000 mg/ m3 STEL: 2000 mg/ m3 TWA: 200 ppm TWA: 500 mg/m3	STEL: 400 ppm STEL: 1000 mg/ m3 TWA: 200 ppm TWA: 500 mg/m3	TWA: 200 ppm TWA: 490 mg/m3		STEL: 250 ppm STEL: 620 mg/ m3 TWA: 200 ppm TWA: 500 mg/m3	STEL: 400 ppm STEL: 980 mg/ m3
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	Netherlands
Isopropyl alcohol 67-63-0	STEL: 400 ppm STEL: 1000 mg/ m3 TWA: 200 ppm TWA: 500 mg/m3	TWA: 200 ppm TWA: 490 mg/m3	STEL: 400 ppm TWA: 200 ppm			
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	UK
Isopropyl alcohol 67-63-0	STEL: 150 ppm STEL: 306.25 mg/m3 TWA: 100 ppm TWA: 245 mg/m3	STEL: 400 ppm TWA: 200 ppm	STEL: 400 ppm STEL: 1000 mg/ m3 TWA: 200 ppm TWA: 500 mg/m3	STEL: 250 ppm STEL: 600 mg/ m3 TWA: 150 ppm TWA: 350 mg/m3	STEL: 400 ppm STEL: 1000 mg/ m3 TWA: 200 ppm TWA: 500 mg/m3	STEL: 500 ppm STEL: 1250 mg/ m3 TWA: 400 ppm TWA: 999 mg/m3

TWA: Time weighted average

STEL: Short term exposure limit

Derived No Effect Level (DNEL)

No Information Available

Predicted No Effect Level (PNEC)

No Information Available

8.2. Exposure controls.

Engineering Measures.

Ensure adequate ventilation, especially in confined areas. Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Hand Protection.

Wear impervious rubber clothing if needed to prevent contact with liquid material. Wear suitable protective clothing.

Skin and body protection.

No Information

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures.

See section 7 for more information.

Environmental Exposure Controls.

No Information

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Clear
Colour	Blue
Odour	No Information
Odour Threshold	No Information
pH	12.9
Melting point / freezing point (°C)	No Information
Flash Point, (°C)	No Information
Boiling point/range (°C)	83 - 265
Evaporation rate	No Information Available
Combustibility	Does not Support Combustion
Upper/lower flammability or explosive limits	No Information
Vapour Pressure	No Information
Vapour density	No Information
Specific Gravity (g/cm³)	1.030
Solubility in / Miscibility with Water	Soluble in water
Partition Coefficient: n-octanol/water	No Information
Auto-Ignition Temperature (°C)	No Information
Decomposition temperature (°C)	No Information
Viscosity	No Information
Oxidising properties	Not Applicable

9.2 Other information.

Volatile Organic Compounds (VOC) content .?0 g/L

(See section 16 for abbreviation legend)

10. Stability and Reactivity

10.1 Reactivity.

Stable under normal conditions.

10.2 Chemical stability.

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions.

None known based on information supplied.

10.4 Conditions to Avoid.

Direct sources of heat.

10.5 Incompatible Materials.

Aldehydes. Ketones. Sodium hypochlorite. Acids. Alcohols. Oxidizing agents.

10.6 Hazardous Decomposition Products.

None known.

11. Toxicological Information**11.1 Information on toxicological effects****Acute Toxicity****Product Information**

The product itself has not been tested

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

ATEmix (oral)	33,333.3 mg/kg
ATEmix (dermal)	0.0 mg/kg
ATEmixInhalation	ATEmixInhalation

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
7601-54-9	Trisodium Phosphate anhydrous	>2000 mg/kg Rat	7940 mg/kg (Rabbit)	N.I.
7320-34-5	TETRAPOTASSIUM PYROPHOSPHATE	> 2980 mg/kg	> 7940 mg/kg	22 mg/l
67-63-0	Isopropyl alcohol	5840 mg/kg (Rat)	13,900 mg/kg (Rabbit)	N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

12. Ecological Information**12.1 Toxicity**

9.97% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity Effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
TETRAPOTASSIUM PYROPHOSPHATE 7320-34-5	-	LC50 96 h Oncorhynchus mykiss >100 mg/L	EC50 48 h water flea >100 mg/L
Dipropylene Glycol Butyl Ether 29911-28-2	-	LC50 96 h Poecilia reticulata 841 mg/L	-
Dipropylene glycol monomethyl ether 34590-94-8	-	LC50 96 h Pimephales promelas >10000 mg/L	LC50 48 h Daphnia magna 1919 mg/L
Isopropyl alcohol 67-63-0	EC50 96 h Desmodesmus subspicatus >1000 mg/L, EC50 72 h Desmodesmus subspicatus >1000 mg/L	LC50 96 h Pimephales promelas 9640 mg/L, LC50 96 h Pimephales promelas 11130 mg/ L, LC50 96 h Lepomis macrochirus >1400000 µg/L	EC50 48 h Daphnia magna 13299 mg/L
2,4-PENTANEDIOL, 2-METHYL- 107-41-5	-	LC50 96 h Pimephales promelas 10500 - 11000 mg/L, LC50 96 h Lepomis macrochirus 10000 mg/ L, LC50 96 h Pimephales promelas 8690 mg/L, LC50 96 h Pimephales promelas 10700 mg/ L	EC50 48 h Daphnia magna 2700 - 3700 mg/L
BENZENEETHANOL 60-12-8	EC50 72 h Desmodesmus subspicatus 490 mg/L	-	EC50 48 h Daphnia magna 287.17 mg/L
4-tert-Butylcyclohexyl acetate 32210-23-4	-	LC50 96 h Cyprinus carpio 8.6 mg/L	-
Butylated hydroxytoluene (BHT) 128-37-0	EC50 72 h Pseudokirchneriella subcapitata 6 mg/L, EC50 72 h Desmodesmus subspicatus >0.42 mg/L	-	-
Chloromethane 74-87-3	-	LC50 96 h Lepomis macrochirus 550 mg/L	-

Ethylene oxide 75-21-8	-	LC50 96 h Pimephales promelas 73 - 96 mg/L	LC50 48 h Daphnia magna 137 - 300 mg/L
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12.2. Persistence and degradability.

No data are available on the product itself

12.3. Bioaccumulative potential.

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Bio. Conc. Factor (BCF)</u>	<u>Octanol-water par. Coeff (KOW)</u>
67-63-0	Isopropyl alcohol	N.I.	0.05

12.4 Mobility in soil.**Mobility in soil.**

No information available

Mobility

No information available

12.5 Results of PBT and vPvB assessment.

No data are available on the product itself

12.6 Other adverse effects.

No information available

13. Disposal Considerations

13.1 Waste treatment methods.**Waste from residues /unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

No Information

Other information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

14. Transport Information

ADR

14.1 UN number:	No Information
14.2 Proper shipping name:	not regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Environmental hazards:	No Information
14.6 Special provisions:	No Information

IMDG

14.1 UN number:	No Information
14.2 Proper shipping name:	not regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Marine pollutant:	No Information
Environmental hazards:	No Information
14.6 Special provisions:	No Information
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	No Information

IATA

14.1 UN number:	No Information
14.2 Proper shipping name:	not regulated

14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Environmental hazards:	No Information
14.6 Special provisions:	No Information

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

National regulatory information

German WGK classification: 3

Remarks: WGK 0 = in general not a water pollutant
 WGK 1 = weak water pollutant
 WGK 2 = water pollutant
 WGK 3 = severe water pollutant

<u>CAS/Chemical Name</u>	<u>French RG number</u>	<u>Title</u>
34590-94-8 Dipropylene glycol monomethyl ether	RG 84	Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table). Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
67-63-0 Isopropyl alcohol	RG 84	Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table). Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
107-41-5 2,4-PENTANEDIOL, 2-METHYL-	RG 84	Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table). Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
74-87-3 Chloromethane	RG 27	
75-21-8 Ethylene oxide	RG 66	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Persistent Organic Pollutants

Not applicable

Authorizations (Annex XIV) and/or restrictions on use (Annex XVII), Regulation (CE) 1907/2006

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Annex XIV Authorisation List</u>	<u>Annex XVII Restricted list</u>
	Not applicable		

EU Substances of Very High Concern

<u>CAS-No.</u>	<u>Chemical Name</u>
No items on this list exist.	

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	Complies
NZIoC	Complies

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.

15.2 Chemical Safety Assessment

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

16. Other Information

Revision Date	5/24/2021	Supersedes Date	New MSDS
Reason for revision	No Information		

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006