

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product Identifier

Product name: Special FX Reflect Chrome RFU
Product Code: SFX4001/1

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

Intended use: For professional use ONLY

1.3 Details of supplier of the safety data sheet

Details of company: FLP Group
Unit 1 Clayfields Industrial Estate
Tickhill Road
Doncaster
DN4 8QG
+44 (0) 1302 571571
sales@flpgroup.co.uk

1.4 Emergency telephone number

Emergency Tel: +44 (0) 1302 571571

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; STOT SE 3: H336; Flam. Liq. 2: H225
Most important adverse effects: Flammable liquid and vapour. Irritating to skin. May cause drowsiness or dizziness.

2.2 Label elements

Hazard statements: H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
Signal words: Warning
Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark



Precautionary statements: P101 if medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see on this label).
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

Other hazards:
PBT:

In use, may form flammable / explosive vapour-air mixture.
This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

EINECS	CAS	CHIP Classification	CLP Classification	Percent
Isopropyl Alcohol (2-Propanol) REACH registered number(s): 01-2119457558-25				
200-661-7	67-63-0	R10; R66; R67 Substance with a Community workplace exposure limit.	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	80-95%

Ethyl acetate REACH registered number(s): 01-2119475103-46

205-500-4	141-78-6	N/A	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336) EUH066	1-10%
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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most Important symptoms and effects, both acute and delayed

Important symptoms and effects No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Not applicable

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media: CO2, sand, powder. Do not use water

5.2 Special hazards arising from the substance or mixture

Exposure hazards: No further relevant information available

5.3 Advice for fire-fighters

Advice for fire-fighters: No special measures required

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents

6.4 Reference to other sections

Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: No special precautions are necessary if used correctly.
Fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms: No special requirements.
Common storage facility: Not required.
Further storage conditions: Keep container tightly sealed.

7.3 Specific end use(s)

Specific end use(s): No further relevant information available.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Control Parameters:

Ingredients with limit values that require monitoring at the workplace		
Isopropanol		
WEL	United kingdom STEL: 200 ppm/m3 8hr TWA: 980 mg/m3	
Ethyl acetate		
WEL	United Kingdom STEL: 1468 mg/m3. 15 min STEL: 400 ppm. 15 min TWA: 734 mg/m3. 8 hr TWA: 200 ppm. 8 hr	Ireland TWA: 734 mg/m3. 8 hr TWA: 200 ppm. 8 hr STEL: 1468 mg/m3. 15 min STEL: 400 ppm. 15 min

8.2 Exposure controls

General measures: Wash hands before breaks and at the end of work.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Eye protection: Tightly sealed goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Liquid
Colour Colourless.
Odour Alcoholic
Solubility Completely miscible with water.
Initial boiling point and boiling range (°C)
82-83°C
Melting point (°C) -90°C
4 / 7
Isopropanol
Relative density 0.785 @ 20°C
Vapour density (air=1) 2.1
Vapour pressure 43.3 hPa 20°C
Viscosity 3 mPas 20°C
Flash point (°C) 12°C CC (Closed cup).
Auto Ignition Temperature (°C) 399°C
Flammability Limit - Lower(%) 2
Flammability Limit - Upper(%) 12
Partition Coefficient
Solvent content
Organic solvents: 79.6 %
VOC (EC): 79.6 %
Solids content: 0.01 %

9.2 Other information

Other information: No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
10.2. Chemical stability
Stable under normal conditions of storage and use. See section 7.
10.3. Possibility of hazardous reactions
Hazardous Polymerisation
Will not polymerise.
10.4. Conditions to avoid
Avoid heat, flames and other sources of ignition.
10.5. Incompatible materials
Materials To Avoid
Strong oxidising substances. Strong acids.
10.6. Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours

SECTION 11: TOXICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

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LD/LC50 values relevant for classification:		
Isopropyl alcohol		
LD50 ORAL 5840 mg/kg (Rat)	LD50 DERMAL 13900 mg/kg (Rat) 12870 mg/kg (Rabbit)	LC50 INHILATION 72.6 mg/L (Rat) 4 h

Primary irritant effect

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

May cause drowsiness or dizziness.

STOT-repeated exposure:

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

Aspiration hazard:

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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility

that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l 9640-10400

EC 50, 48 Hrs, Daphnia, mg/l 7550-13299

IC 50, 72 Hrs, Algae, mg/l >1000

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential

Will not bio-accumulate.

Partition coefficient +0.05

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations

SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number

UN-Number

ADR, IMDG, IATA:

UN1263

14.2 UN proper shipping name

UN proper shipping name

ADR:

1263 PAINT

IMDG, IATA:

PAINT

14.3 Transport hazard class

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Transport hazard class

ADR, IMDG, IATA

Class 3 Flammable liquids.

Label 3

14.4 Packaging group

Packing group

ADR, IMDG, IATA: III

14.5 Environmental hazards

Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

Special precautions for user: Warning: Flammable liquids.

Danger code (Kemler): 30

EMS Number: F-E, S-E

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information

ADR

Limited quantities (LQ): 5L

Excepted quantities (EQ): Code E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3

Tunnel restriction code D/E

IMDG

Limited quantities (LQ): 5L

Excepted quantities (EQ): Code E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation": UN1263, PAINT, 3, III

SECTION 15: REGULATORY INFORMATION

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

Named dangerous substances: ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases: H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.

Department issuing MSDS: Product safety department

Contact: Mr Hoare

Abbreviations and acronyms: ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio accumulative and Toxic
vPvB: very Persistent and very Bio accumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3