

SAFETY DATA SHEET

Spectral Rain Coating Z-2

SECTION 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

1.1 Product Identifier

Product name: Spectral Rain Coating Z-2

UFI: S600-Y03R-A00H-4PT2

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

Recommended use: protective coating for the glass

Uses advised against: not specified.

1.3 Manufacturer:

Company:

FX International Sp. z o.o.

ul. Mikołowska 65

44-203 Rybnik

E-mail address of the person responsible for developing the safety data sheet: biuro@fxprotect.pl

Emergency telephone number

Emergency : 112

SECTION 2. HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture

Hazards	CLP Classification - Regulation (EC) No 1272/2008
Physical hazards	Flam. Liq. 2, H225
Health hazards	Eye Dam 1, H318

2.2 Label elements

Hazards pictograms:



Signal word: Danger

Hazard statements:

H318: Causes serious eye damage

H225: Highly flammable liquid and vapour

Precautionary statements:

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking

P241 Use explosion-proof [electrical/ventilating/lighting] equipment

P280 Wear protective gloves/protective clothing/eye protection/face protection..

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to local law

2.3. Other hazards

The product does not meet the criteria for PBT or vPvB according to Annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Substances

Component	CAS-No	WE-No	Index- No/ REACH-No	Weight [%]	CLP Classification - Regulation (EC) No 1272/2008
Ethanol	64-17-5	200-578-6	603-002-00-5	≥88,0	Flam Liq 2, H225 Eye Irrit. 2, H319

Full text of Hazard Statements: see section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: The product is intended for skin disinfection. In case of worrying symptoms, contact a doctor. In case of prolonged contact, redness, drying, cracking of the skin, degreasing is possible.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Ingestion: Move exposed person to fresh air. Provide to person warmth and peace. If a person is not breathing, is breathing irregularly or when breathing has stopped, qualified personnel should give artificial respiration or give oxygen. In the event of loss of consciousness, position in a lateral position and immediately call for medical help.

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4.2 Most important symptoms and effects, both acute and delayed

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Cough. Shortness of breath
Wheezing / difficulty breathing. Effects may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

Consult a physician. Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide, dry chemical powders, sand or earth, water fog. Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media: Water jet.

5.2 Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products)

As a result of thermal decomposition or combustion, carbon oxides and other toxic gases and vapors may be released.

5.3 Advices for firefighters

Containers in the fire area should be cooled with a dispersed water jet, if possible removed from the danger area. In the case of fire in a closed room, wear protective clothing and a compressed air breathing apparatus. Do not allow extinguishing water to get into surface water, ground water and sewage system.

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2 Environmental precautions:

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent spreading and disposal by mechanical collection. Collect the residue with non-combustible absorbent material (sand, sawdust, diatomaceous earth, universal absorbent). Place contaminated material in properly labeled containers for disposal in accordance with applicable regulations.

6.4 Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

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Use in well ventilated areas. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors of the hot product. Avoid hot areas and open flames near the product. Work in accordance with the principles of health and safety: do not eat, drink and smoke in work areas, wash hands after use, remove contaminated clothing and protective equipment before entering places intended for eating.

7.2 Conditions for safe storage, including any incompatibilities

Store at cool, dry, well ventilated place in a properly labeled and tightly closed original container. Avoid direct sunlight and heat sources, hot surfaces and open flame. If repacking is necessary, make sure the new packaging is appropriate for the type of product.

7.3 Specific end use

Follow the instructions for use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

STEL [ppm]= 1,000

8.2 Exposure controls

Engineering control measures: General room ventilation is recommended.

Eye protection: Use safety glasses in accordance with EN166.

Hand and skin protection:

Hand protection: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

Other: Wear protective clothing - wash regularly.

Respiratory protection: Avoid breathing product vapors. In case of inadequate ventilation or in the conditions where the NDS is exceeded, use individual respiratory protection, a mask or half-mask complete with A-P2 filter and vapor absorber.

Environmental exposure controls: Do not allow to spread in the environment and enter drains and watercourses.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	colorless
Odor	characteristic
Ph	not available
Boiling point	78,3°C
Flash point	18,3°C
Evaporation rate	not available
Lower and upper explosive (flammable) limits	3,3%/19,0%
Density	0,7894 g/cm ³
Vapor pressure	60 hPa [20,0°C]
Vapor density	not available
Relative density	not available
Solubility	soluble in water
Partition coefficient: n-octanol/water	0,82
Auto-ignition temperature	425°C

9.2 Other information

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None known, based on information available.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Stable under normal conditions

10.4 Conditions to avoid

None known, based on information available.

10.5 Incompatible materials

Strong oxidants, strong acids, bases, metals

10.6 Hazardous decomposition products

None under normal use conditions

SECTION 11. TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Acute toxicity:

Subtilisin

LD50 (rat, orally) - 7060 mg / kg

LC50 (rat, inhalation) - 38400 mg / m³ (10 h)

LD50 (rabbit, skin) > 20,000 mg / kg

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Eye damage/irritation: Causes eye irritation

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Harmful effect on reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

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

12.1 Toxicity

No data available

12.2 Persistence and degradability

The product is biodegradable.

12.3 Bioaccumulative potential

No bioaccumulative potential

12.4 Mobility in soil

The product is completely soluble in water, it penetrates soil and groundwater.

12.5 Results of PBT and vPvB assessment

No data available for assessment

12.6 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number: 1170

14.2 UN proper shipping name: Ethanol

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- 14.3 Transport hazard class(es): 3
- 14.4 Packing group: II
- 14.5 Environmental hazards: No
- 14.6 Special precautions for user: No special precautions required
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable, packaged goods

SECTION 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
 - REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
 - COMMISSION REGULATION (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- 15.2 Chemical Safety Assessment
- A Chemical Safety Assessment is not required for this/these products

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms in the Safety Data Sheet

NDS - The highest allowable concentration at the workplace.

NDSch - Maximum allowable instantaneous concentration.

vPvB - very Persistent, very Bioaccumulative (substance)

PBT - Persistent, bioaccumulative, and toxic (substance)

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

RID Regulations concerning the International carriage of Dangerous Goods by Rail

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

Hazard statements:

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

Full text of classification:

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Eye Irrit. 2

Eye Irritation, Category 2

Flam Liq 2

Flammable liquid, Category 2

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP):
calculation method

Advice on training for employees:

Employees who use the product should be trained on risks for health, hygiene, use of individual protection, accident preventive actions, rescue actions, etc.,

This MSDS is not a quality certificate for the product. All data presented in this sheet are to be taken only as a help in safe handling in transport, distribution, use and storage. Persons handling the product should be informed about risks and precautionary measures. Information in the Safety Data Sheet relates to the above mentioned product and its specified uses only. They may be obsolete or insufficient for this product used in conjunction with other materials or in different applications than those specified in the Safety Data Sheet. The user is obliged to follow all applicable standards and regulations and is also responsible for inappropriate use of information contained in this sheet or for an inappropriate use of the product. In the case of special applications evaluate exposure and develop the appropriate procedure and training programs in order to ensure safety at work.