

**SPECTRAL EXTRA 715 GALVANIZED STEEL & ALUMINIUM ADHESION INCREASING AGENT**

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

**1.1. Product identifier**

**SPECTRAL EXTRA 715 GALVANIZED STEEL & ALUMINIUM ADHESION INCREASING AGENT**

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

Galvanized steel & aluminium adhesion increasing agent. For professional use in car refinishing.

**1.3. Data of the supplier Safety Data Sheet**

**NOVOL Sp. z o.o.**  
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**Person responsible for the Safety Data Sheet**

[dokumentacja@novol.pl](mailto:dokumentacja@novol.pl)

**1.4. Emergency telephone number**

+48 61 810-99-09 (from 7.00 to 15.00)

**SECTION 2: HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture**

The mixture was not classified as dangerous pursuant to current regulations - see section 15.

**Classification 1272/2008/WE:**

The mixture was not classified as dangerous acc. to 1272/2008/WE

**2.2. Label elements:**

Contains: --

Pictograms: --

Signal word: --

EUH 210  
P280  
P312

Safety data sheet available on request.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Call a doctor if you feel unwell.

**2.3. Other hazards**

No available data.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

**Product identification**

**SPECTRAL EXTRA 715 GALVANIZED STEEL & ALUMINIUM  
ADHESION INCREASING AGENT**

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
Hydrogen peroxide solution 60%	WE: 231-765-0 CAS: 7722-84-1 Index no.: 008-003-00-9 Registration no: 01-2119485845-22-XXXX	Ox. Liq. 2; H272 Acute Tox. 4; H302 Skin Corr. 1B; H314 Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE3; H335	<4,9*

\*calculated on 100% Hydrogen peroxide

Full text of the phrases identifying the types of hazards is provided in section 16.

**SPECTRAL EXTRA 715 GALVANIZED STEEL & ALUMINIUM ADHESION INCREASING AGENT**

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

General information:

See section 11 of the Safety Data Sheet.

Inhalation:

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

Alimentary tract:

Do not induce vomiting. Rinse mouth with water. Call a doctor.

Person giving first aid should wear medical gloves.

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

No available data.

**4.3. Indications of any immediate medical attention and special treatment needed**

Special measures allowing for specialist and immediate aid should be available in the place of work.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Powder, alcohol-resistant foam, carbon dioxide.

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

Nonflammable material. May cause intensify fire; oxidiser. Hydrogen peroxide solution 3% is poor oxidiser. In contact with reducer are generated oxygen and warm as a result of decomposition. Oxygen intensify fire.

**5.3. Advice for firefighters**

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:

Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

**6.2. Environmental precautions**

Prevent leakage to the sewage system, surface waters, underground waters and soil.

**6.3. Methods and materials for containment and cleaning up**

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

**6.4. Reference to other sections**

Personal protection measures - see section 8 of the Safety Data Sheet.

Disposal considerations - see section 13 of the Safety Data Sheet.

**SPECTRAL EXTRA 715 GALVANIZED STEEL & ALUMINIUM ADHESION INCREASING AGENT**

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

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

Store in tightly sealed, original containers at +5 °C to +25°C. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources.

**7.3. Special end use(s)**

For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**8.1. Control parameters**

Hydrogen peroxide CAS: 7722-84-1 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 1 ppm, 1.4 mg/m<sup>3</sup>, STEL --

**8.2. Exposure control**

Respiratory tract protection: Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, nitrile rubber, 0,4 mm thick, penetration time > 30 min)

Eye protection:

Tight protective glasses.

Skin protection:

Proper protective clothing (coated impregnated fabrics).

Workplace:

Fixed fume extraction and general ventilation.

Environmental exposure control:

Prevent leakage to the sewage system, surface waters, underground waters and soil.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	according to palette's colour
Odour	strong, powerful
Odour threshold	no data
pH	3,0 – 4,0
Melting/freezing point	no data
Boiling point	Approx. 100°C
Flash point	not applicable
Autoignition point	no data
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	not specified
Vapour pressure	No data
Vapour density (with regard to air)	No data
Density	about 1.0 g/cm <sup>3</sup> (20°C)
Solubility (in water)	soluble
N-octanol/water division ratio	no data
Viscosity	not specified
Explosive properties	not applicable
Oxidizing properties	not applicable

**9.2 Other informations**

No available data.

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**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Poor oxidiser

**10.2. Chemical stability**

The product remains stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Egzotermic reaction. Oxygen and water are generated as a result of decomposition.

**10.4. Conditions to be avoided**

Avoid contact with strongly reducer agents, alkali metals, organic substances (solvents), strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

**10.5. Incompatible materials**

Avoid contact with strongly reducer, alkali metals, organic substances (solvents), peroxides, strong acids and bases.

**10.6. Hazardous decomposition products**

Oxygen and water are generated as a result of thermal decomposition.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**a) Acute toxicity**

Hydrogen peroxide	LD50 (rat, ingestion)	910 mg/kg
	LC50 (rat, inhalation)	2 mg/l/2h

**b) Skin corrosion/irritation**

No available data confirming the hazard class.

**c) serious eye damage/irritation**

No available data confirming the hazard class.

**d) respiratory or skin sensitisation**

The mixture has not been classified as allergenic. No available data confirming the hazard class.

**e) germ cell mutagenicity**

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

**f) carcinogenicity**

The mixture has not been classified as cancerogenic. No available data confirming the hazard class.

**g) reproductive toxicity**

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

**h) STOT-single exposure**

No available data confirming the hazard class.

**i) STOT- repeated exposure**

No available data confirming the hazard class.

**j) aspiration hazard**

No available data confirming the hazard class.

**Exposure methods:**

Inhalation: No available data

Skin: May cause irritation.

Eyes: May cause irritation.

If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhoea.

**Poisoning symptoms:**

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness. May cause drowsiness or dizziness.

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**SECTION 12: ECOLOGICAL INFORMATION**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**12.1. Toxicity**

Hydrogen peroxide

Daphnia magna NOEC: (21d) 0,63 mg/l

Number in the catalogue of water hazardous substances: 288

Water hazard class: 1

**12.2. Persistence and degradability**

Oxygen and water are generated as a result of decomposition.

**12.3. Bioaccumulative potential**

No available data.

**12.4. Mobility in soil**

Product soluble in water.

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

No available data.

**12.6. Other adverse effects**

No available data.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and leave to dry only in good ventilated rooms. The dried product is not harmful waste.

**CAUTION:** The remains should be dried in small portions. Keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

**SECTION 14: TRANSPORT INFORMATION**

ADR/RID

IMO/IMGD

IATA-DGR

Product is not dangerous goods.

Transport at a temperatures +5 °C to +25°C.

**SECTION 15: REGULATORY INFORMATION**

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

REACH - Regulation 2006/1907/WE

CLP - Regulation 1272/2008/WE

**15.2. Chemical safety assessment**

Not performed

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**SECTION 16: OTHER INFORMATION**

**Full text of the phrases identifying the types of hazards mentioned in sections 2-15**

Ox. Liq. 2 Oxidising Liquids, Hazard Category 2  
H272 May intensify fire; oxidiser.  
Acute Tox. 4 Acute toxicity, category 4  
H302 Harmful if swallowed  
H332 Harmful if inhaled  
Skin Corr. 1B Skin corrosion/irritation, Hazard Category 1B  
H314 Causes severe skin burns and eye damage.  
STOT SE3 Specific target organ toxicity– single exposure, category 3  
H335 May cause respiratory irritation.

**Explanation of the abbreviations and acronyms used in the Safety Data Sheet**

**CAS no** – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

**EC no.** – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

**MPC** – maximum permissible concentration of health hazardous substances in the work place

**MPIC** – maximum permissible instantaneous concentration

**MPCC** - maximum permissible ceiling concentration

**PCB** - permissible concentration in biological material

**UN number** - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

**ADR** – European agreement on international road transport of hazardous materials

**IMO** – International Marine Organization

**RID** – Regulations for international rail transport of hazardous materials

**IMDG-Code** – International marine code for hazardous materials

**ICAO /IATA** – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics. Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

**Other sources of information**

**ECHA** European Chemicals Agency

**TOXNET** Toxicology Data Network

**IUCLID** International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures.

With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: NOVOL Sp. z o.o.