STP FLEX SPRAYABLE SEALANT

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

1.1. Product identifier
STP FLEX SPRAYABLE SEALANT

1.2. Relevant identified uses of the substance or mixture and uses advised against
Sprayable sealant. For professional use in car refinish.

1.3. Data of the supplier Safety Data Sheet

NOVOL Sp. z o.o.
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Fax:+48 61 810-98-09
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novol@novol.pl

Person responsible for the Safety Data Sheet 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
Classification 1272/2008/WE:
The mixture was not classified as dangerous acc. to 1272/2008/WE

2.2. Label elements:

Contains:	--
Pictograms:	--
Signal word:	--
EUH210	Safety data sheet available on request.
P261	Avoid breathing dust/vapours
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	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 **STP FLEX SPRAYABLE SEALANT**

Substance name	**Identification numbers**	**Classification and marking**	**Concentration [wt%]**
Trimethoxyvinylsilane	EC: 220-449-8 CAS: 2768-02-7 Index no.: --- Registration no: 01-2119513215-52	Flam. Liq. 3; H226; Acute Tox. 4; H332	<4
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics	EC: 923-037-2 CAS: -- Index no: Registration no: 01-2119458049-33-XXXX	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 4 H413 EUH 066	<4
3-(Diethoxymethylsilyl)propylamin	EC: 221-660-8 CAS: 3179-76-8 Index no.: -- Registration no:01-2119960156-37-XXXX	Skin Corr. 1B; H314 Eye Dam. 1; H318	0,5-0,99

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

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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
May cause drowsiness or dizziness. Repeated exposure might cause skin dryness or rupture.

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
Fire may cause generation of carbon dioxide and other toxic gases.

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.

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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. 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
No highest permissible concentration limits for the preparation components.

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	highly viscous liquid
Colour	according to specyfication
Odour	characteristic
Odour threshold	no data
pH	not applicable
Melting/freezing point	no data
Boiling point	140-300℃
Flash point	>60℃
Autoignition point	approx. 400℃
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	not applicable
Vapour pressure	No data
Vapour density (with regard to air)	No data
Density	about 1.5 g/cm^3 (20℃)
Solubility (in water)	Very poor
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
The product is not reactive under normal conditions.

10.2. Chemical stability
The product remains stable under normal conditions.

10.3. Possibility of hazardous reactions
Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

10.4. Conditions to be avoided
Avoid contact with strongly oxidizing agents, peroxides, 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 large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

10.6. Hazardous decomposition products
Carbon monoxide and other toxic gases 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

Trimethoxyvinylsilane	LD50 (rat, ingestion)	7,34 ml/kg
	LC50 (rat, inhalation)	2773 ppm/4h

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
No available data

12.2. Persistence and degradability
No available data.

12.3. Bioaccumulative potential
No available data.

12.4. Mobility in soil
Product insoluble 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.

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
Flam.Liq.3 Liquid, flammable substances, category 3
H226 Flammable liquid and vapour.
Asp. Tox. 1 Aspiration hazard, Hazard Category 1
H304 May be fatal if swallowed and enters airways.
Acute Tox. 4. Acute toxicity, category 4
H332 Harmful if inhaled.
Eye Dam. 1 Serious eye damage
H318 Causes serious eye damage.
Skin Corr. 1B Skin corrosion/irritation, Hazard Category 1B
H314 Causes severe skin burns and eye damage.
Aquatic Chronic 4 Hazardous to the aquatic environment — Chronic Hazard, Category 4
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.

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.

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