

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**10309 GLACO MIRROR COAT ZERO**

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

Relevant identified uses: preparation creates invisible, supersmooth layer, which prevents adsorption of water droplets on the surface of car mirrors.

Uses advises against: product is not suitable for use on windscreens etc.

### 1.3 Details of the supplier of the safety data sheet

Supplier: **Nowy Samochód S.A.**

Address: ul. Zbyszka Cybulskiego 3, 00-725 Warsaw, Poland

Telephone/Fax: +48 602-444-356

E-mail: info@soft99.pl

E-mail address for a competent person responsible for sds: biuro@theta-doradztwo.pl

### 1.4 Emergency telephone number

112

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Aerosol 1 H222-H229, Eye Irrit. 2 H319, STOT SE 3 H336**

Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness.

### 2.2 Label elements

Names of substances mentioned on label



**DANGER**

Names of substances mentioned on label

Contains: propan-2-ol.

Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe spray.  
P271 Use only outdoors or in a well-ventilated area.



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

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

## 2.3 Other hazards

Substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

#### propan-2-ol

Concentration range: 85-90%  
CAS number: 67-63-0  
EC number: 200-661-7  
Index number: 603-117-00-0  
Registration number: 01-2119457558-25-XXXX  
Classification: Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

#### propane

Concentration range: <45%  
CAS number: 74-98-6  
EC number: 200-827-9  
Index number: 601-003-00-5  
Registration number: -  
Classification: Flam. Gas 1 H220, Press. Gas H280

#### butane

Concentration range: <45%  
CAS number: 106-97-8  
EC number: 203-448-7  
Index number: 601-004-00-0  
Registration number: -  
Classification: Flam. Gas 1 H220, Press. Gas H280

#### isobutane

Concentration range: <45%  
CAS number: 75-28-5  
EC number: 200-857-2  
Index number: 601-004-00-0  
Registration number: -  
Classification: Flam. Gas 1 H220, Press. Gas H280

Full text of each relevant H phrase is given in section 16 of SDS.



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## Section 4: First aid measures

### 4.1 Description of first aid measures

Skin contact: take off contaminated clothes. Wash contaminated skin thoroughly with water and soap. Consult a doctor if disturbing symptoms occur.

Eye contact: contact an ophthalmologist if disturbing symptoms occur. Remove contact lenses. Rinse contaminated eyes with water for at least 10-15 minutes. Avoid strong stream of water – risk of damage of the cornea.

Ingestion: exposure by this route does not typically occur. If swallowed, do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Contact a doctor if disturbing symptoms occur, show container or label.

Inhalation: remove the victim to fresh air. Keep warm and calm. Consult a doctor, if disturbing symptoms occur.

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

Skin contact: in case prolonged contact possible redness, dryness and defatting.

Eye contact: possible tearing, redness, irritation.

Inhalation: high concentration of vapours and mists may lead to irritation of mucous membranes of eyes and respiratory tract, tearing, redness of conjunctiva, cough, burning sensation in throat and nose. May cause drowsiness or dizziness.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: extinguishing powder, alcohol resistant foam, carbon dioxide, water fog. Adjust extinguishing media to the materials stored in the product vicinity.

Unsuitable extinguishing media: water jet – risk of propagation of flame.

### 5.2 Special hazards arising from the substance or mixture

During combustion harmful gases consisting of carbon oxides and other unidentified products of thermal decomposition may be produced. Do not inhale combustion products, it may cause health risk. Do not inhale combustion products, it may cause health risk.

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Extremely flammable aerosol. Vapours may form explosive mixtures with air. Pressurized container - danger of depressurization or even explosion at high temperature. In case of fire cool endangered containers with water fog from safe distance. Collect used extinguishing media.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Wear adequate personal protective equipment. Avoid eyes and skin contamination. Ensure adequate ventilation. Prohibit smoking, using of naked flames and sparking tools. Do not inhale aerosol.

### 6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Do not let product to reach drainage system, ground and surface waters. Notify relevant emergency services.



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## 6.3 Methods and material for containment and cleaning up

Collect damaged containers mechanically. Collect leakage using non-flammable liquid binding materials (eg. sand, earth, universal binding substances, silica etc.) and place it in correctly labelled containers. Treat collected material as waste. Clean and ventilate contaminated area. Use non-sparking tools.

## 6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Wear personal protective equipment. Avoid eyes and skin contamination. Do not inhale vapours. Ensure adequate ventilation. Wash hands before breaks and after work. Protect from high temperature and direct sunlight. Keep away from fire sources. Do not spray on an open flame or other ignition source. Use as intended.

### 7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tight containers in a dry, cool and well ventilated place at temperature < 50 °C. Keep away from food, foodstuffs, animal feed and incompatible materials (see section 10.5). Store away from sources of ignition and direct sunlight. Do not pierce or burn, even after use.

### 7.3 Specific end use(s)

Preparation creates invisible, super smooth layer, which prevents adsorption of water droplets on the surface of car mirrors

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

There are no occupational exposure limit values at working place for the substances present in the mixture at the Community level. Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC, 2017/164/EU

Please check any national occupational exposure limit values in your country.

### 8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Avoid eyes and skin contamination. Before breaks and after works wash hands thoroughly with water. Use protective handcreams. Ensure adequate ventilation. If there is a risk of inflammation of the clothing on worker, emergency showers and eyewash stations should be installed near the workplace.

#### Hand and body protection

Use adequate protective gloves in case of direct contact with the product. Wear protective clothing. Select the material for the gloves individually at the workplace.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed

#### Eye protection

Use tightly fitting protective glasses.

#### Respiratory protection

Respiratory protection is not required when product is used as intended.

Personal protective equipment must meet requirements of Regulation 2016/425/EU. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.



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## Environmental exposure controls

Avoid environment contamination, do not empty into drains. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

physical state/appearance:	aerosol
colour:	colourless
odour:	according to assortment
odour threshold:	not determined
pH:	not determined
melting point/freezing point:	not determined
initial boiling point and boiling range:	83 °C
flash point:	11,7 °C
evaporation rate:	not determined
flammability (solid, gas):	extremely flammable aerosol
upper/lower flammability or explosive limits:	12%/2% vol.
vapour pressure:	0,2 MPa (25 °C)
vapour density:	not determined
density:	0,791 (25°C)
solubility(ies):	insoluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	460 °C
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
dynamic viscosity:	not determined

### 9.2 Other information

No additional test results.

## Section 10: Stability and reactivity

### 10.1 Reactivity

Product is reactive. Vapours may form explosive mixtures with air. It does not undergo hazardous polymerization. See also subsections 10.3 and 10.5

### 10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

### 10.3 Possibility of hazardous reactions

Product vapours can create explosive mixtures with air.

### 10.4 Conditions to avoid

Protect from temperature above 50 °C. Avoid direct sunlight, sources of heat and fire.

### 10.5 Incompatible materials

Strong oxidizers.

### 10.6 Hazardous decomposition products

Not known.



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## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicity of components

propan-2-ol (CAS 67-63-0)

Oral: LD<sub>50</sub> 1 870 mg/kg (rat)

Skin: LD<sub>50</sub> 4059 mg/kg (rabbit)

#### Toxicity of mixture

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

#### Acute Toxicity

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

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

Causes serious 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.

#### 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

### 12.1 Toksyczność

#### Toxicity of components

propan-2-ol (CAS 67-63-0)

Toxicity for fish: LC<sub>50</sub>/96h > 100 mg/l

#### Toxicity of mixture

Product is not classified as hazardous for the environment.

### 12.2 Persistence and degradability

Propan-2-ol is readily biodegradable.

No data for the mixture.

### 12.3 Bioaccumulative potential

Bioaccumulation is not expected.

## 12.4 Mobility in soil

Mobility of components of the mixture depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

## 12.5 Results of PBT and vPvB assessment

Components of the mixture are not classified as PBT and vPvB.

## 12.6 Other adverse effects

Product is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, endocrine disrupting potential, global warming potential).

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal methods for the mixture: disposal in accordance with the local legislation. Store product residues in original containers. Do not let product to enter sewage system. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycle/liquidate empty containers in accordance with the local legislation. Only completely empty packing can be recycled. Do not pierce or burn, even after use.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

## Section 14: Transport information

### 14.1 UN Number

UN 1950

### 14.2 UN proper shipping name

AEROSOLS, flammable

### 14.3 Transport hazard class(es)

2 (label 2.1)

### 14.4 Packing group

Not applicable.

### 14.5 Environmental hazards

Product is not classified as dangerous for the environment according to transport regulations.

### 14.6 Special precautions for user

Avoid sources of ignition and fire. Use personal protective equipment in accordance with section 8 of SDS. Packages should not be thrown or subjected to impact. Receptacles shall be so placed on the vehicle or container that they cannot tip over or fall.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.



## Section 15: Regulatory information

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

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.



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**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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

**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)

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

**Regulation (EU) 2016/425** of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

**Commission Directive 2000/39/EC** of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Commission Directive 2006/15/EC** of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

**Commission Directive 2009/161/EU** of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

**Commission Directive 2017/164/EU** of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

## 15.2 Chemical safety assessment

It is not necessary to carry out a chemical safety assessment for the mixture.

## Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Abbreviations and acronyms

LD <sub>50</sub>	Median lethal dose.
EC <sub>50</sub> :	Half maximal effective concentration.
Flam. Liq. 2	Flammable liquid category 2
Flam. Gas 1	Flammable gas category 1
Press. Gas.	Gases under pressure
Eye Irrit. 2	Eye irritation category 2
STOT SE 3	Specific target organ toxicity – category 3
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

Key literature references and sources of data

This SDS was prepared on the basis of SDS of producer, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

Procedures used to classify a mixture

Classification was based on tests results and data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.





# SAFETY DATA SHEET

## Additional information

Date of update: 24.06.2019  
Version: 2.0/EN  
Composed by: mgr Alicja Włodarska (on the basis of producer's data)  
Safety Data Sheet made by: „THETA” Technical Consulting

**This SDS replaces and cancels all its previous versions.**

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.