

[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

03144 NANO HARD PLASTICS COAT CLEAR

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

Relevant identified uses: product for regeneration of external transparent plastic parts of car (head and tail lamp covers, mudguard covers, etc.).

Uses advised against: not determined.

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

Flam. Liq. 2 H225, Acute Tox. 4 H302, Acute Tox. 3 H311, Eye Irrit. 2 H319, Acute Tox. 3 H331, STOT SE 3 H336, STOT SE 1 H370

Highly flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Causes serious eye irritation. Toxic if inhaled. May cause drowsiness or dizziness. Causes damage to organs: optic nerve, central nervous system.

2.2 Label elements

Names of substances mentioned on label



DANGER

Names of substances mentioned on label

Contains: propan-2-ol, methanol.

Hazard statements

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs: optic nerve, central nervous system.

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.
P270 Do not eat, drink or smoke when using this product.



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P280	Wear protective gloves/protective clothing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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:	65-75 %
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

methanol

Concentration range:	25-30 %
CAS number:	67-56-1
EC number:	200-659-6
Index number:	603-001-00-X
Registration number:	01-2119433307-44-XXXX
Classification:	Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370
Specific concentration limits:	STOT SE 1 H370: $C \geq 10 \%$ STOT SE 2 H371: $3 \% \leq C < 10 \%$

Substance with occupational exposure limits defined on the EU level.

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

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: take off contaminated clothing. Wash contaminated skin thoroughly with water and soap. Consult a doctor.

Eye contact: protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for several minutes. Avoid strong stream of water – risk of damage of the cornea. Consult an ophthalmologist, if disturbing symptoms occur.

Ingestion: immediately induce vomiting (not later than within a few minutes after swallowing, because methanol is readily absorbed from gastrointestinal tract). Give the victim 100 ml of 40% ethanol to drink (to slow down the metabolism). Immediately call a doctor, show the label.

Inhalation: consult a doctor immediately. Remove the victim to fresh air. Keep warm and calm.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: redness, tearing, burning sensation, irritation.

Skin contact: in case of frequent or prolonged contact redness, dryness, cracking. The symptoms of a long skin contact are similar to the symptoms of ingestion.

Inhalation: high concentration of vapours may cause headache, dizziness, balance disorders, the symptoms similar to the symptoms of ingestion.

Ingestion: the consequence of food poisoning is, in the initial period, an effect similar to alcoholic intoxication. Then, after a few to over a dozen hours, metabolites of methanol induce metabolic acidosis with:

- damage to the central nervous system (loss of consciousness, seizures, cerebral edema),
- damage to the optic nerve - visual impairment for total loss of vision,
- circulatory disorders: acceleration of heart rate, arrhythmia, increase - then drop in blood pressure, collapse, possibility of pulmonary edema.

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. Specific antidote: ethanol.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, extinguishing powder, water spray, alcohol resistant extinguishing foam.

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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Highly flammable product, vapours of the product may form explosive mixtures with air. 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. Cool endangered containers with water fog from a 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. Ensure that removing the problem and its results is conducted by a trained personnel only. In case of large spills, isolate the exposed area. Wear adequate personal protective equipment. Avoid eyes and skin contamination. Do not inhale vapours. Ensure adequate ventilation. Remove sources of ignition and heat. No smoking. Avoid electrostatic discharge.

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. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect product 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 ventilated contaminated place.

6.4 Reference to other sections

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



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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 working. Avoid eyes and skin contamination. Wash hands before breaks and after work. Keep unused containers tightly closed. Keep away from heat and fire sources. Avoid electrostatic charges. Use as intended only. Do not inhale product vapours. Ensure an adequate ventilation. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed containers in a dry, cool and well ventilated place. Keep away from food, foodstuffs, animal feed and drinking water or incompatible materials (see subsection 10.5). Recommended storage temperature: below 40°C. Avoid sources of heat and direct sunlight.

7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	TWA 8 hour	STEL 15 min
methanol [CAS 67-56-1]	260 mg/m ³	-

The table above shows the maximum workplace concentration values at the EU 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.

Recommended control procedures

Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke while working. Avoid eyes and skin contamination. Wash hands thoroughly before breaks and after work. Use hand cream. Ensure adequate ventilation. Do not inhale vapours. If there is a risk of inflammation of the clothing on worker, showers and eye safety washers should be installed near the workplace.

Hand and body protection

Wear adequate protective gloves, resistant to solvents e.g. vinyl gloves. Wear protective clothing. In case of short term contact use protective gloves with effectiveness level 2 or higher (permeation time > 30 minutes). In case of long term contact use protective gloves with effectiveness level 6 (permeation time > 480 minutes).

When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Eye protection

Use tightly fitting protective glasses if there is a risk of eye contamination.

Respiratory protection

Not required in case of a sufficient ventilation. If the occupational exposure limit values are exceeded or in case of emergency, use a protective mask or a half-mask with an appropriate filter.

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 release to the environment, do not enter the sewage system. Possible emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state/appearance:	liquid
colour:	blue
odour:	depending on assortment
odour threshold:	not determined
pH:	not determined
melting point/freezing point:	not determined
initial boiling point and boiling range:	65-83 °C
flash point:	11 °C
evaporation rate:	not determined
flammability (solid, gas):	not applicable
upper/lower flammability or explosive limits:	36 % vol./2 % vol.
vapour pressure:	not determined
vapour density:	not determined
density (25 °C):	0,842 ± 0,010 g/cm ³
solubility(ies):	soluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	385 °C
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not determined

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive, vapours of the product may form explosive mixtures with air. 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

In reaction with light metals hydrogen is released.

10.4 Conditions to avoid

Avoid direct sunlight, sources of heat and fire.

10.5 Incompatible materials

Strong oxidizers, acids, alkali metals, metal oxides.

10.6 Hazardous decomposition products

Not known.



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Section 11: Toxicological information

11.1 Information on toxicological effects

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.

Toxicity of components

propan-2-ol [CAS 67-63-0]

LD₅₀ (oral, rat) > 1870 mg/kg

LD₅₀ (dermal, rabbit) 4059 mg/kg

methanol [CAS 67-56-1]

LD₅₀ (oral, rat) > 5628 mg/kg

LD₅₀ (dermal, rabbit) 15800 mg/kg

LC₅₀ (inhalative, rat) > 85 mg/l/4h

Toxicity of mixture

Acute Toxicity

ATE_{mix} (oral) 333 mg/kg

ATE_{mix} (dermal) 1 000 mg/kg

ATE_{mix} (inhalative, vapours) 10 mg/l

Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled.

ATE_{mix} value was calculated using relevant converted acute toxicity point estimate included in 3.1.2 table from Regulation 1272/2008/EC as amended.

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. Causes damage to organs: optic nerve, central nervous system.

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 LC₅₀/96 h > 100 mg/l

Toxicity of mixture

Product is not classified as hazardous to environment.

12.2 Persistence and degradability

The components of the product are biodegradable.

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

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

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 empty to sewage system. Waste code should be assigned in the place of its formation.

Disposal methods for used packing: reuse/recycle/liquidate empty containers in accordance with the local legislation. Only completely empty packaging can be recycled.

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

Section 14: Transport information

14.1 UN Number

UN 1993

14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, METHANOL)

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

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

14.6 Special precautions for user

Keep away from heat, ignition and fire sources. Use personal protective equipment in accordance with section 8 of SDS.

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

Not applicable.





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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.

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

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H371	May cause damage to organs.

Abbreviations and acronyms

Flam. Liq. 2	Flammable liquid category 2
Acute Tox. 3	Acute Toxicity category 3
STOT SE 1, 2, 3	Specific target organ toxicity – single exposure category 1, 2, 3
Eye Irrit. 2	Eye Irritation category 2
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).



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Key literature references and sources of data

This SDS was prepared on the basis on manufacturer's information, literature data, online databases (e.g. ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation

Procedures used to classify the mixture in accordance with Reg. EC 1272/2008

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

Additional information

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Safety Data Sheet made by: „**THETA**“ Technical Consulting

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.