Safety Data Sheet

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Version: 2.0/EN

[Prepared in accordance with Regulation EC 1907/2006 (REACH), as amended]

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: **10321 POLISHING COMPOUND**

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

Relevant identified uses: professional use; treatment of automobile painted surfaces.

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 Warszawa, PL

Telephone/fax: +48 602-444-356

E-mail address for a competent person responsible for SDS: info@soft99.pl

1.4. Emergency telephone number

112 (general emergency telephone number)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Sens. 1 H317, **STOT RE 2** H373, **Aquatic Chronic 2** H411

May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictograms and signal words

Warning

Hazardous components placed on the label

Contains: pin-2(3)-ene.

Hazard statements

H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe mist/vapours/spray.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to properly labelled waste containers according to national law.

Additional information

None.

2.3. Other hazards

Product does not contain components, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

CAS number: 1344-28-1 EC number: 215-691-6 Index number: — Registration number: —	**aluminium oxide** The substance is not classified as hazardous.	20% ≤ C ≤ 30%
CAS number: 64742-55-8 EC number: 265-158-7 Index number: 649-468-00-3 Registration number: —	**distillates (petroleum), hydrotreated light paraffinic** The substance is not classified as hazardous. Note L	1% ≤ C ≤ 10%
CAS number: 64742-81-0 EC number: 265-184-9 Index number: 649-423-00-8 Registration number: —	**Kerosine (petroleum), hydrodesulfurized** Asp. Tox. 1 H304	1% ≤ C < 10%
CAS number: 80-56-8 EC number: 201-291-9 Index number: — Registration number: —	**pin-2(3)-ene** Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1B H317, STOT RE 1 H372, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 1 H410 (M=1)	1% ≤ C ≤ 5%
CAS number: 111-42-2 EC number: 203-868-0 Index number: 603-071-00-1 Registration number: —	**2,2'-iminodiethanol** Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT RE 2 H373	C < 1%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with skin

Take off contaminated clothing. Wash the exposed parts of the skin thoroughly with water and soap. Consult a doctor if disturbing symptoms appear.

Contact with eyes

Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for 10 - 15 minutes. Avoid powerful water stream – risk of cornea damage. Consult a ophthalmologist if disturbing symptoms appear.

Ingestion

Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor if disturbing symptoms appear.

After inhalation

Remove the victim to fresh air, keep warm and at rest. Consult a doctor if disturbing symptoms appear.

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

Contact with skin

The product may cause redness, burning sensation, allergic reaction, skin dryness.

Contact with eyes

The product may cause burning sensation, tearing, conjunctival redness.

Ingestion

May cause nausea, vomiting, abdominal pains, diarrhea.

After inhalation

High concentration of vapours and mists may cause headaches, somnolence.

Effects of exposure

May cause damage to organs in case of prolonged and frequent exposure.

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. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, sand, extinguishing powder.
Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2. Special hazards arising from the substance or mixture

During the fire may produce harmful gases containing e.g. carbon monoxides, other hazardous unidentified products of thermal decomposition. Do not inhale combustion products, they can be dangerous for human health.

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. Cool down the containers that are endangered by fire with a water spray 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. In case of large spills, isolate the exposed area. Ensure that only the trained personnel removes the effects of the accident. Use personal protective equipment. Caution: risk of slipping on the released product.

6.2. Environmental precautions

Do not allow the product to get into the sewage system, surface waters and soil. 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

Small leakage: collect the spilled product with incombustible absorbing materials (e.g. sand, earth, universal binding agents, silica etc.) and place it in waste containers. Treat the collected material as waste. Clean and ventilate the contaminated area.
Large leakage: isolate places where liquid accumulates; pump the collected liquid out.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Provide general and / or local ventilation in the workplace in order to maintain the concentration of the harmful agent in the air below the established limit values. Use personal protective equipment. Avoid vapor formation. Before break and after work wash hands carefully. Keep the unused containers tightly closed. Do not eat, drink and smoke during the work. Avoid eyes and skin contamination.

7.2. Conditions for safe storage, including any incompatibilities

Store in properly labeled, sealed packages in a dry, cool and well-ventilated place. Container that is opened should be properly resealed and kept upright to prevent leakage. Keep away from incompatible materials (see subsection 10.5). Keep away from, foodstuffs and animal feed .

7.3. Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limit Values

Specification	WEL 8 hour	WEL 15 min	Comments
aluminium oxide	—	—	—
- inhalable fraction	10 mg/m³	—	—
- respirable fraction	4 mg/m³	—	—

EH40/2005 Workplace exposure limits. Fourth Edition 2020.

Recommended control procedures

Procedures for monitoring concentrations of hazardous components in the air and procedures for monitoring air purity in the workplace should be applied - if available and justified at a given position - in accordance with the relevant national or European Standards, taking into account the conditions at the site of exposure and the appropriate measurement methods adapted to the working conditions. The mode, type and frequency of tests and measurements should meet the requirements of the appropriate laws.

DNEL and PNEC

Not applicable.

8.2. Exposure controls

Industrial hygiene

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink and smoke during the work. Before break and after work wash hands carefully. Ensure adequate general and/or local ventilation at the workplace.

Individual protection measures

Not applicable. The necessity to use and the selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand protection

Use protective gloves resistant to chemicals according to EN 374. In case of a short exposure, use protective gloves with 2nd or higher level of effectiveness (breakthrough time > 30 min). In case of a long exposure, use protective gloves with 6th level of effectiveness (breakthrough time > 480 min). Select the material for the gloves individually at the workplace.
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.

Body protection

Use skin protection measures adequate to the existing thermal, chemical or mechanical hazards.

Eye protection

If there is a risk of eye contamination, use safety glasses in accordance with the EN 166 standard.

Respiratory protection

Not required with adequate ventilation. In cases where the risk assessment indicates that it is necessary, respiratory protective equipment compliant with the EN136 standard (masks) or EN 140 (half masks, quarter masks) should be used.

Thermal hazards

Not applicable.

Environmental exposure controls

Prevent direct release to drains/ surface waters. Do not contaminate surface waters and drainage ditches with chemicals or used containers. Released product or uncontrolled spills to surface waters should be reported to appropriate authorities in accordance with local and national legislations. Dispose as chemical waste, in accordance with local and national legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	white
Odour:	characteristic
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not applicable
Lower and upper explosion limit:	not determined
Flash point:	96 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	~8,8 (25 °C)
Kinematic viscosity:	not determined
Solubility:	slightly soluble in water
Partition coefficient n-octanol/water (log value):	not applicable
Vapour pressure:	not determined
Density and/or relative density:	1,10 (25 °C)
Relative vapour density:	not determined
Particle characteristics:	not applicable

9.2. Other information

No additional tests.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not very reactive. It does not go under hazardous polimeryzation. See also subsection 10.3-10.5.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Hazardous reactions are not known.

10.4. Conditions to avoid

Avoid sources of heat, direct sunlight.

10.5. Incompatible materials

Avoid contact with following materials: strong oxidants, strong acids, strong bases.

10.6. Hazardous decomposition products

Not known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

aluminium oxide [CAS 1344-28-1]	
LC_{50} (inhalation, rat)	7,6 mg/l/1h
LD_{50} (oral, rat)	> 10000 mg/kg

Kerosine (petroleum), hydrodesulfurized [CAS 64742-81-0]	
LC_{50} (inhalation, rat)	> 5,2 mg/l/4h
LD_{50} (oral, rat)	> 5000 mg/kg
LD_{50} (skin, rabbit)	> 2000 mg/kg

pin-2(3)-ene [CAS 80-56-8]	
LD_{50} (oral, rat)	500 mg/kg
LD_{50} (skin, rat)	> 2000 mg/kg

2,2'-iminodiethanol [CAS 111-42-2]	
LD_{50} (oral, rat)	1100 mg/kg

Mixture	
ATE_{mix} (oral)	50 000,00 mg/kg
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

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

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

Information on likely routes of exposure

Exposure route: eye exposure, skin exposure, inhalation, ingestion. For more information on the impact of each possible route of exposure, see subsection 4.2.

Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2 of the SDS.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2 of the SDS.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

Other information

No data on other hazards.

SECTION 12: Ecological information

12.1. Toxicity

pin-2(3)-ene [CAS 80-56-8]		
LC_{50} (fish)	0,303 mg/l / 96 h *Danio rerio*	method: OECD 203
EC_{50} (invertebrates)	0,475 mg/l / 48 h *Daphnia magna*	method: —
NOEC (microorganisms)	2 mg/l / 28 days —	method: OECD 301 D

2,2'-iminodiethanol [CAS 111-42-2]		
LC_{50} (fish)	460 mg/l / 96 h *Oncorhynchus mykiss*	method: —
EC_{50} (invertebrates)	30,1 mg/l / 48 h *Ceriodaphnia dubia*	method: ASTM Standard E729-80
NOEC (invertebrates)	0,78 mg/l / 21 days —	method: —
EC_{50} (algae)	2,7 mg/l / 72 h *Pseudokirchneriella subcapitata*	method: EPA 600/9-78-018
EC_{10} (microorganisms)	> 1000 mg/l / 30 minut —	method: OECD 209

Mixture
Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

pin-2(3)-ene CAS 80-56-8	Easily biodegradable	68%/28 days	method: OECD 301 D
2,2'-iminodiethanol CAS 111-42-2	Easily biodegradable	93%/28 days	method: OECD 301 F

12.3. Bioaccumulative potential

pin-2(3)-ene CAS 80-56-8	log Po/w = 4,83	method: —
	BCF = —	method: —
2,2'-iminodiethanol CAS 111-42-2	log Po/w = -2,46	method: OECD 107
	BCF = —	method: OECD 107

12.4. Mobility in soil

Mobility of components of the mixture in soil 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

Product does not contain components, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

12.7. Other adverse effects

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

SECTION 13: Waste treatment methods

13.1. Disposal considerations

Recommendations for the product

The waste product should be recovered or disposed of in authorized incineration plants or waste disposal / neutralization plants, in accordance with applicable regulations. Do not empty into drains. The waste code should be given in the place of its formation.

Recommendations for used packaging

Reuse / recycle / eliminate empty containers in accordance with the local legislation. Only completely empty containers can be reused.

EU legal acts: directives of the European Parliament and of the Council: 2008/98 / EC as amended and 94/62 / EC as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 3082

14.2. UN proper shipping name

ADR

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

[PIN-2(3)-ENE]
IMDG
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
[PIN-2(3)-ENE]
ICAO/IATA
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
[PIN-2(3)-ENE]

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

ADR	yes
IMDG	yes
ICAO/IATA	yes

14.6. Special precautions for user

If any substances have leaked and been spilled in a vehicle or container, it may not be reused until after it has been thoroughly cleaned and,, if necessary, disinfected or decontaminated. Any other goods and articles carried in the same vehicle or container shall be examined for possible contamination.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Additional data

ADR	limited quantity LQ	5 L
	transport category	3
	tunnel restriction code	(-)
IMDG	limited quantity LQ	5 L
	EmS code	F-A, S-F
ICAO/IATA	packing instruction (LQ)	Y964
	limited quantity (LQ)	30 kg G
	packing instruction, passenger	964
	maximum quantity, passenger	450 L
	packing instruction, cargo	964
	maximum quantity, cargo	450 L

SECTION 15: Regulatory information

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

ADR Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG Code International Maritime Dangerous Goods Code
IATA Dangerous Goods Regulations
1907/2006/EC REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation 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 (as amended).
1272/2008/EC REGULATION 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 (as amended).

2020/878/EU COMMISSION REGULATION of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
2008/98/EC DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives (as amended).
94/62/EC REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (as amended).
The components of the mixture are not included in Annex XVII of the REACH Regulation.
The components of the mixture are not included in Annex XIV of the REACH Regulation.

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures.

SECTION 16: Other information

Full text of H phrases mentioned in section 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Note L	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

Clarification of abbreviations and acronyms

ADR	Agreement concerning the International Carriage of Dangerous Goods by Road.
DIN	German Institute for Standardization
DNEL	Derived No-Effect Level.
EC_{10}	A statistically calculated concentration of a chemical substance in an environmental medium that can cause specific effects in 50% of the tested organisms of a given population under certain conditions.
EC_{50}	(median effective concentration) - statistically calculated concentration of a chemical substance in an environmental medium that can cause specific effects in 50% of the tested organisms of a given population under certain conditions.
EN	European standard
IATA	The International Air Transport Association.
IMDG	International Maritime Dangerous Goods Code.
LC_{50}	Concentration of a substance that is lethal to 50 percent of the organisms in a toxicity test.
LD_{50}	Dose of a substance that is lethal to 50 percent of the organisms in a toxicity test.
NOEC	The highest concentration that does not cause a statistically significant adverse effect in the exposed population, when compared with its appropriate control.
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, bioaccumulative and toxic substance.
PNEC	Predicted no-effect concentration.
RID	The Regulation concerning the International Carriage of Dangerous Goods by Rail.
vPvB	Very persistent and very bioaccumulative substance.
Acute Tox. 4	Acute toxicity - category 4

Aquatic Acute 1	Hazardous to the aquatic environment - Acute - category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic - category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic - category 2
Asp. Tox. 1	Aspiration hazard - category 1
Eye Dam. 1	Serious eye damage - category 1
Flam. Liq. 3	Flammable liquid - category 3
STOT RE 1	Specific target organ toxicity — repeated exposure - category 1
STOT RE 2	Specific target organ toxicity — repeated exposure - category 2
Skin Irrit. 2	Skin irritation - category 2
Skin Sens. 1	Skin sensitization - category 1
Skin Sens. 1B	Skin sensitization - category 1B

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. Personnel related with the transport of hazardous substances in accordance with the ADR agreement should be trained and should obtain proper certification in a range of their obligations (general training, workplace training, safety training).

Key literature references and sources of data

This SDS was prepared on the basis of the safety data sheet provided by the manufacturer, literature data, online databases (e.g. ECHA, TOXNET, COSING), our knowledge and experience, taking into account the current legislation.

Procedures used for the mixture classification according with Regulation 1272/2008/EC as amended

Skin Sens. 1 H317	calculation method
STOT RE 2 H373	calculation method
Aquatic Chronic 2 H411	calculation method

Additional information

Changes:	section: 1-16
SDS issued by:	THETA Consulting Sp. z o.o.