Safety Data Sheet

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

Date of issue: 17.06.2019
Date of update: 10.12.2021
Version: 4.0/EN

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

1.1. Product identifier

Trade name: **09062 Micro Liquid Compound Set L&M**

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

Relevant identified uses: painted surfaces high-gloss finishing.

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

The product is not classified as hazardous for human health and life and for the environment.

2.2. Label elements

Hazard pictograms and signal words

None.

Hazardous components placed on the label

None.

Hazard statements

None.

Precautionary statements

P102	Keep out of reach of children.
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.	5% < C < 15%
CAS number: — EC number: 918-167-1 Index number: — Registration number: 01-2119472146-39-XXXX	**hydrocarbons, C11-C12, isoalkanes, <2% aromatics** Flam. Liq. 3 H226, Asp. Tox. 1 H304, Aquatic Chronic 4 H413 EUH066[1)]	1% < C < 10%
CAS number: 107-21-1 EC number: 203-473-3 Index number: 603-027-00-1 Registration number: —	**ethylene glycol** Acute Tox. 4 H302	C < 3%

[1)] Additional hazard statement.

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

Components according to Regulation on detergents 648/2004/EC as amended:

aliphatic hydrocarbons	< 5%
preservation agents (TRIS(N-HYDROXYETHYL) HEXAHYDROTRIAZINE)	

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

Consult a doctor, show the packaging or label. Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person.

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, skin dryness.

Contact with eyes

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

Ingestion

May cause nausea, vomiting, abdominal pains.

After inhalation

Exposure by this route does not cause negative health effects.

Effects of exposure

There are no known significant effects or critical hazards with the correct use of the product.

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, water spray, extinguishing foam resistant to alcohols, 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, nitrogen oxides, other hazardous unidentified products of thermal decomposition. Do not inhale combustion products, they can be dangerous for human health.

5.3. Advice for firefighters

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. Personal protection typical in case of fire. 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 only the trained personnel removes the effects of the accident. In case of large spills, isolate the exposed area. Caution: risk of slipping on the released product. Wear shoes with anti-slip soles. Use personal protective equipment.

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

Collect damaged packages mechanically. Collect the spilled product with incombustible absorbing materials (e.g. sand, earth, universal binding agents) and place it in labelled containers. Proceed in accordance with applicable regulations. Use non-sparking tools. Ventilate the contaminated area.

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. Use personal protective equipment. 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

Container that is opened should be properly resealed and kept upright to prevent leakage. Store in properly labeled, sealed packages in a dry, cool and well-ventilated place. 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 - respirable fraction	— 10 mg/m³ 4 mg/m³	— — —	— — —
ethylene glycol	10 mg/m³(particulate); 52 mg/m³ (vapour) 52	104 mg/m³ (vapour)	skin

Skin - means that skin absorption of a substance may be just as important as inhalation exposure.
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

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

In case of a prolonged or repeated contact with the product, use protective gloves if a risk assessment indicates this is necessary. Select the material for the gloves individually at the workplace. Recommended material for gloves: PVC.
The glove material has to be impermeable and resistant to the product. The choice of material for protective gloves should be made taking into account the breakthrough times, permeation rate and degradation. Moreover, the selection of the appropriate gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer. The exact breakthrough time has to be obtained from the glove manufacturer and it must be observed.

Body protection

Depending on the performed task, use protective clothing appropriate to the potential hazard. In case of a prolonged contact with the product, use protective clothing made of coated or impregnated fabrics.

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:	faint
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	not applicable
Lower and upper explosion limit:	0,6-6 % vol. (EC: 918-167-1)
Flash point:	> 63 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	9,8±1,0 (25 °C)
Kinematic viscosity:	not determined
Solubility:	not soluble in water
Partition coefficient n-octanol/water (log value):	not applicable
Vapour pressure:	not determined
Density and/or relative density:	1,05 (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

Product is 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

The product reacts exothermically with strong oxidants.

10.4. Conditions to avoid

Avoid sources of heat, direct sunlight.

10.5. Incompatible materials

Avoid contact with following materials: strong oxidants.

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)	> 2,3 mg/l
LD_{50} (oral, rat)	> 2000 mg/kg

hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
LC_{50} (inhalation, rat)	> 4 951 mg/m³/4h
LD_{50} (oral, rat)	> 5 000 mg/kg

ethylene glycol [CAS 107-21-1]	
LC (inhalation, mouse)	200 mg/m³
LC (inhalation, rat)	200 mg/m³
LD_{50} (oral, rat)	4 700 mg/kg
LD_{50} (oral, mouse)	5500 mg/kg
LD_{50} (skin, rabbit)	9,53 ml/kg

Mixture	
ATE_{mix} (oral)	16 666,67 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

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

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

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.

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

No data.

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

No data.

11.2. Information on other hazards

Endocrine disrupting properties

The components of the mixture are not assessed as endocrine disrupting substances.

Other information

No data.

SECTION 12: Ecological information

12.1. Toxicity

aluminium oxide [CAS 1344-28-1]		
NOEC (fish)	> 10 000 mg/l / — *Danio rerio*	method: —
NOEC (daphnia)	> 100 mg/l / — *Daphnia magna*	method: OECD 202
NOEC (algae)	> 100 mg/l / — *Selenastrum capricornutum*	method: OECD 201

hydrocarbons, C11-C12, isoalkanes, <2% aromatics		
LL_{50} (fish)	> 1 000 mg/l / 24 h *Oncorhynchus mykiss*	method: OECD 203
EL_{50} (invertebrates)	8,9 - 9,2 mg/l / 48 h *Daphnia magna*	method: OECD 202
EC_{50} (algae)	> 1 000 mg/l / 72 h *Pseudokirchneriella subcapitata*	method: OECD 201

ethylene glycol [CAS 107-21-1]		
LC_{50} (fish)	89540 mg/l / — *Pimephales promelas*	method: —
LC_{50} (daphnia)	10500 mg/l / — *Daphnia magna*	method: —
EC_{10} (algae)	> 1000 mg/l / — *Chlorococcales*	method: —
LC_{50} (fish)	54700 mg/l / 96 h —	method: —
LC_{50} (crustaceans)	41000 mg/l / 48 h —	method: —

Mixture
The product is not classified as hazardous to the aquatic environment.

12.2. Persistence and degradability

hydrocarbons, C11-C12, isoalkanes, <2% aromatics	Biodegradable	89,8 %/28 days	method: OECD 301 F

ethylene glycol CAS 107-21-1	Biodegradable	90-100%/10 days	method: OECD 301 A

12.3. Bioaccumulative potential

ethylene glycol CAS 107-21-1	log Po/w=-1,36	—	method: —

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 components of the mixture are not assessed as endocrine disrupting substances.

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

Not applicable, the product is not dangerous during transport.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Additional data

Not applicable.

SECTION 15: Regulatory information

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

648/2004/EC REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (as amended).

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

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

Clarification of abbreviations and acronyms

ADR	Agreement concerning the International Carriage of Dangerous Goods by Road.
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.
vPvB	Very persistent and very bioaccumulative substance.
Acute Tox. 4	Acute toxicity - category 4
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic - category 4
Asp. Tox. 1	Aspiration hazard - category 1
Flam. Liq. 3	Flammable liquid - category 3

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.

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

The classification was made on the basis of the physicochemical data of the mixture and the content of hazardous components by calculation method based on the guidelines of Regulation 1272/2008 / EC (CLP) as ameded.

Additional information

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