

SAFETY DATA SHEET

prepared in accordance with COMMISSION REGULATION (EU) 2020/878 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 (REACH).

Version: 1.0
Date of issue: 30.03.2023

THINNER SOLL 646 NITRO

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

1.1. Product identifier

Trade Name: THINNER SOLL 646 NITRO (STN1 050; STN1 200)

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

Relevant identified uses: As a paint and varnish remover and for cleaning varnishing tools. For professional use.

Uses advised against: Not for consumer use.

1.3. Details of the supplier of the safety data sheet

Company name: UAB HELVINA

Address: Parko str. 96, Ramuciai, LT-54464 Kaunas distr., Lithuania

Phone: +370 37 308901

E-mail: info@helvina.lt

E-mail of the person responsible for the safety data sheet: info@helvina.lt

1.4. Emergency telephone number

Poison control and information office: Tel.: +370 5 236 2052 or +370 687 53378

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008 (CLP) as amended:

Flam. Liq. 2, H225 Highly flammable liquid and vapour.

Skin Irrit. 2, H315 Causes skin irritation.

Eye Irrit. 2, H319 Causes serious eye irritation.

Repr. 2, H361d Suspected of damaging fertility or the unborn child.

STOT SE 1, H370 Causes damage to organs.

STOT SE 3, H336 May cause drowsiness or dizziness.

STOT RE 2, H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1, H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazardous component(s): Methanol, Toluene, Acetone, Methyl acetate.

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Pictograms:



Signal word: DANGER

Hazard statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H361d	Suspected of damaging fertility or the unborn child.
H370	Causes damage to organs.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.

Prevention precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+ P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302 + P352	IF ON SKIN: Wash with plenty of water with soap.
P301+ P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P501	Dispose of contents in accordance with national regulation.

2.3. Other hazards

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The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006. The substances contained in the product have not been included in the list established in accordance with Art. 59 paragraph 1 as having endocrine disrupting properties and they are not substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients:

Ingredient name Registration number	Content %	CAS nr	EC nr	Index nr	Classification according to Regulation 1272/2008
Methyl acetate 01-2119459211- 47-XXXX	10-50%	79-20-9	201-185-2	607-021- 00-X	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
Toluene 01-2119471310- 51-XXXX	5-50%	108-88-3	203-625-9	601-021-00-3	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336
Acetone 01-2119471330- 49-0002	5-20%	67-64-1	200-662-2	606-001-00-8	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
Methanol* 01-2119433307- 44-XXXX	4-10%	67-56-1	200-659-6	603-001- 00-X	Flam. Liq. 2, H225 Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT SE 1, H370

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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	4-8%	64742-49-0	927-510-4	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
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The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

* Specific Concentration limits:

STOT SE 1; H370: $C \geq 10\%$

STOT SE 2; H371: $3\% \leq C < 10\%$

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Remove the victim to fresh air. Keep warm and calm. If not breathing, start artificial respiration. In case of unconsciousness, breathing disorders or persisting symptoms, get medical assistance immediately.

Skin contact:

Take off all contaminated clothing. Wash contaminated skin with soap and water, rinse thoroughly with water. In case of irritation or redness, consult a doctor.

Eye contact:

Rinse eyes for several minutes (about 15) with plenty of water, keeping the eyelids wide open. Remove contact lenses if present. Avoid strong stream because of the risk of cornea damage. If symptoms appear and persist, consult a doctor.

Ingestion:

Get medical attention immediately. Do not induce vomiting – increased aspiration risk. In case of spontaneous vomiting, keep the victim leaning forward, with her/his face directed to the ground.

Protection of first aiders: Do not take any action that would put anyone at risk unless you are properly trained. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

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

Prolonged or frequent exposure may cause central nervous system disorders such as headaches and dizziness, incoordination, drowsiness; very high vapour concentrations may cause unconsciousness loss of consciousness.

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

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Do not induce vomiting, do not give anything by mouth to an unconscious person. Show the safety data sheet, label or packaging to medical personnel providing first aid. A person providing first aid in the area where vapour/fog concentration is unknown should be equipped with the appropriate respiratory protection.

Note to the physician: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, extinguishing powders, extinguishing foam, water spray or water mist.

Unsuitable extinguishing media: water jet.

5.2. Special hazards arising from the substance or mixture.

Highly flammable liquid.

In the event of a fire, under the influence of high temperatures, toxic decomposition products are released containing, among others, carbon oxides.

5.3. Advice for firefighters

Follow the guidelines for the fire extinguishment of chemicals. In case of fire involving large amounts of the product, evacuate all bystanders from the danger area; call emergency brigades and the Fire Brigade. Cool down imperilled containers with water spray from a safe distance; if possible and safe remove from a danger zone. Prevent from entering contaminated water and other extinguishing agents into sewage system and water. Dispose of wastewater and residues in accordance with applicable regulations. People should be properly trained and equipped with full protective clothing and a self-containing breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the personnel providing assistance: notify the appropriate services about the failure. Remove from the danger area people who are not involved in the liquidation of the breakdown. Remove all potential sources of ignition.

For emergency responders: Ensure adequate ventilation, use protective gloves, use footwear and protective clothing, use protective glasses or a mask protecting the face in case of splashing the product. Do not inhale vapors of the product.

NOTE: If released in an enclosed space, ensure effective ventilation/ventilation. Use personal protective equipment - see section 8 of the safety data sheet.

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NOTE: Highly flammable liquid.

Remove all sources of ignition - extinguish open flames, do not smoke, do not use sparking tools or equipment, eliminate hot surfaces and other sources of heat. Take precautionary measures against electrostatic discharges.

6.2. Environmental precautions

Prevent from spreading and entering sewers and water reservoirs, inform local authorities in case of inability to provide protection.

6.3. Methods and material for containment and cleaning up.

Prevent from spreading and remove by collecting on non-flammable absorbent material (sand, sawdust, diatomaceous earth, universal absorbent), place contaminated material in properly labeled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections

Personal protection equipment - section 8 of the safety data sheet.

Disposal considerations - section 13 of the safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Use only in well-ventilated areas. Avoid contact with the eyes. Avoid prolonged or repeated contact with the skin. Avoid spilling. Avoid breathing product vapors. Do not allow the NDS values to be exceeded for the components of the product in the air of the working environment. Avoid ignition sources, elevated temperatures, hot surfaces and open flames. Take measures to prevent electrostatic discharges - proper neutralization and grounding, e.g. when pouring the contents of containers. It is recommended to wear antistatic clothing and footwear when working with the product, and the floor of the rooms where the product is stored or used should be made of electrically conductive materials. Make sure that the electric lighting and electrical installation are efficient and do not constitute a potential source of ignition. Do not use cutting tools that cause sparking. Work in accordance with the principles of safety and hygiene: do not eat or drink, do not smoke in the workplace, wash hands after use, take off contaminated clothing and protective equipment at the entrance to eating places.

7.2. Conditions for safe storage, including any incompatibilities

Store in original, properly labelled product-resistant containers. Ensure adequate ventilation. Observe regulations for the storage of flammable liquids. Eliminate sources of heat and sources of ignition. Do not smoke. Protect containers

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from direct sunlight. Observe no smoking, no naked flames in storage area. Storage conditions also apply to empty, uncleaned containers. Keep away from strong oxidizing agents. Educate persons handling the product on the physicochemical properties of the substance and the resulting hazards.

7.3. Specific end use(s)

See section 1.2 of the Safety Data Sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

The highest allowable concentration at the workplace:

Toluene [CAS: 108-88-3]

NDS - 100 mg/m³; NDSCh - 200 mg/m³

The absorption of substances through the skin can be as important as with inhalation exposure.

Acetone [CAS:67-64-1]

NDS - 600 mg/m³; NDSCh - 1800 mg/m³

Methanol [CAS: 67-56-1]

NDS - 100 mg/m³; NDSCh - 300 mg/m³

The absorption of substances through the skin can be as important as with inhalation exposure.

Methyl acetate [CAS: 79-20-9]

NDS - 250 mg/m³; NDSCh - 600 mg/m³

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics [CAS: 64742-49-0]

NDS - 500 mg/m³; NDSCh - 1500 mg/m³

8.2. Exposure controls

8.2.1 Appropriate engineering controls

It is recommended to use general ventilation of the area.

8.2.2 Individual protection measures, such as personal protective equipment

Eye protection:

Use safety glasses or a face mask (according to EN 166). It is recommended to equip the workplace with the eyewash station.

Hand and skin protection:

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Wear protective, impervious gloves that are resistant to oils (e.g. PVA, nitrile). Selection of the glove material requires consideration of the penetration times, rates of diffusion and degradation. It is recommended to change gloves regularly or immediately if they are used or damaged (torn or punctured) or their appearance change (color, elasticity, shape).

Wear an apron or protective clothing made of coated, product-resistant materials (electrostatic-resistant clothing is advisable); protective footwear.

Respiratory protection:

Avoid breathing product vapors. In the conditions of exceeding the NDS of the components in the work environment, use individual respiratory protection means - a mask or half-mask complete with a filter and a type A or universal vapor absorber (class 1,2 or 3) in accordance with the EN 141 standard.

8.2.3 Environmental exposure controls

Prevent it from spreading in the environment and entering sewers and water courses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- a) **Physical state:** Liquid
- b) **Colour:** Colourless
- c) **Odour:** Characteristic
- d) **Melting point/freezing point:** No data available
- e) **Boiling point or initial boiling point and boiling range:** No data available
- f) **Flammability:** No data available
- g) **Lower and upper explosion limit:** 1,2-7,0 % v.
- h) **Flash point:** <20°C
- i) **Auto-ignition temperature:** No data available
- j) **Decomposition temperature:** No data available
- k) **pH:** Not applicable
- l) **Kinematic viscosity:** No data available
- m) **Solubility:** No data available
- n) **Partition coefficient n-octanol/water (log value):** No data available
- o) **Vapour pressure:** approx. 43 kPa at 40°C
- p) **Density and/or relative density:** 0,875-0,895 g/cm³ at 20°C
- q) **Relative vapour density:** No data available

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r) **Particle characteristics:** No data available

9.2. Other information

9.2.1 Information with regard to physical hazard classes

a) **Explosives:** -

b) **Flammable gases:** -

c) **Aerosols:** -

d) **Oxidising gases:** -

e) **Gases under pressure:** -

f) **Flammable liquids:** Highly flammable liquid and vapour

g) **Flammable solids:** -

h) **Self-reactive substances and mixtures:** -

i) **Pyrophoric liquids:** -

j) **Pyrophoric solids:** -

k) **Self-heating substances and mixtures:** -

l) **Substances and mixtures, which emit flammable gases in contact with water:** -

m) **Oxidising liquids:** -

n) **Oxidizing solids:** -

o) **Organic peroxides:** -

p) **Corrosive to metals:** -

q) **Desensitised explosives:** -

9.2.2. Other safety characteristics

Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive.

10.2. Chemical stability

The product is stable in normal conditions of use, storage and transport.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid.

High temperature, open flame and other sources of heat and ignition.

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10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

Not known. Hazardous combustion products are included in Section 5 of the safety data sheet.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity:

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

Data for ingredient: methanol

LD50: >2528 mg/kg (oral, rat)

LC50: >115.9 mg/l (inhalation, rat, 4h)

LD50: >17,100 mg/kg (dermal, rabbit)

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

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:

May cause cancer.

Reproductive toxicity:

Suspected of damaging fertility or the unborn child.

STOT-single exposure:

Causes damage to organs.

May cause drowsiness or dizziness.

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard:

May be fatal if swallowed and enters airways.

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not applicable.

11.2.2. Other information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

EC50: 23.35 mg/l - Daphnia magna, 48h

NOEL: 5.224 mg/l - Daphnia magna, 21 day

EC50: 9.902 mg/l - Pseudokirchnerella subcapitata, 72 h

LC50: 13.37 mg/l - Oncorhynchus mykiss, 96h

NOEL: 2.992 mg/l - Oncorhynchus mykiss, 28 day

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Octanol / water partition coefficient (Kow): No data available.

Bioconcentration factor (BCF): No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not empty into drains. Avoid contamination of surface and ground waters.

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Consider the possibility of use. The waste product should be recovered or disposed of in authorized incineration plants or waste treatment / neutralization plants, in accordance with applicable regulations.

Recycling / recycling / liquidation of packaging waste should be carried out in accordance with applicable regulations. NOTE: Only completely emptied packages may be recycled! Use the services of companies with appropriate permissions.

Waste code:

07 01 04* other organic solvents, washing liquids and mother liquors.

15 01 10* packaging containing residues of or contaminated by dangerous substances.

SECTION 14: TRANSPORT INFORMATION

The product is subject to the regulations on the transport of dangerous goods contained in ADR (road transport), RID (rail transport), ADN (inland transport), IMDG (sea transport), ICAO / IATA (air transport).

14.1 UN number or ID number

UN 1263

14.2 UN proper shipping name

MATERIAL RELATED TO PAINT

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

No data available.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

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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 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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15.2. Chemical safety assessment

Chemical safety assessment has not been performed for the mixture.

SECTION 16: OTHER INFORMATION

The information contained in the safety data sheet is intended to assist in the safe use of the product.

The user of the product is obliged to comply with all applicable standards and regulations, and to create appropriate conditions for the safe use of the product.

Methods used to classify the mixture in question:

Physical hazards: Flash point (°C); Initial boiling point (°C)

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Abbreviations and acronyms in the Safety Data Sheet:

NDS - The highest allowable concentration at the workplace.

NDSCh - Maximum allowable instantaneous concentration.

vPvB - Very Persistent and very Bioaccumulative.

PBT - Persistent Bioaccumulative and Toxic.

Log Kow - Partition coefficient n-octanol / water.

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID - Regulations concerning the International carriage of Dangerous Goods by Rail.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

IMDG - International Maritime Dangerous Goods.

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IATA - International Air Transport Association.

ICAO - International Civil Aviation Organization.

Hazard statements from section 3:

- H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H371 May cause damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Hazard classes and categories:

- Flam. Liq. 2 - Flammable liquids Category 2
Acute Tox. 3 - Acute toxicity Category 3
Carc. 1B - Carcinogenicity Category 1B
Repr. 2 - Reproductive toxicity Category 2
Asp. Tox. 1 - Aspiration hazard Category 1
Skin Irrit. 2 - Irritating to skin Category 2
STOT SE 1- Specific target organ toxicity - single exposure Category 1
STOT SE 2 - Specific target organ toxicity - single exposure Category 2
STOT SE 3 - Specific target organ toxicity - single exposure Category 3
STOT RE 2 - Specific target organ toxicity - repeated exposure Category 2
Eye Irrit. 2 - Irritating to eyes Category 2
Aquatic Chronic 2 - Hazardous to the aquatic environment, Chronic Category 2