

SAFETY DATA SHEET

Pro-Liquid

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

1.1 Product Identifier

PRODUCT NAME Pro-Liquid

1.2. Relevant Identified uses

IDENTIFIED USES Specialised Chemical for Cleaning Graffiti

1.3. Details of the supplier of the Safety data sheet

SUPPLIER Nordic Products and Services Ltd
Church Road,
Stockton On Tees,
TS18 2HN

1.4. Telephone Number

Tel +44 (0)1642 678015 (Office hours only)

SECTION 2: HAZARDS IDENTIFICATION

Classification and labelling according to Regulation (EC) 1907/2006 (REACH)

Classification and labelling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (Including amendments) and take into account the intended product use.

2.1b Classification of the substance or mixture

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: Xn; R65
Xi; R38
R43
N; R51/53

Human health hazards

The product contains a small amount of sensitising substance which may provoke an allergic reaction if in contact with skin.
The product may cause lung damage if swallowed.

Environmental hazards

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2b Label Elements

Hazard symbol or symbols:



Harmful and dangerous for the environment

Risk Phrases:

R65- Harmful: may cause lung damage if swallowed.
R38- Irritating to skin.
R43- May cause sensitization by skin contact.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S23- Do not breathe gas, fumes or vapour.
S24- Avoid contact with skin.
S37- Wear suitable gloves.
S60- This material and its container must be disposed of as hazardous waste.
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.
S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains: Orange turpentine oil

2.3 Other hazards which do not result in classification

Results of PBT and vPvB assessment: See sections 12 for details

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name	%	REACH Registration number	CAS number	EC number	Classification	
2-methoxymethylethoxy)propanol	>=50 - <75	01-2119450011-60	34590-94-8	252-104-2	Not classified.	[2]
orange turpentine oil	>=10 - <20	01-2119493353-35	8028-48-6		R10 Xn; R65 Xi; R38 R43	[1]
Tall oil	>=5 - <10		8002-26-4	232-304-6	N; R50/53 Xi; R36/38	[1]

There are no

additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in Section 8.

Hazardous ingredients / Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Chemical name	CAS number	Hazard statements	Classification
2-methoxymethylethoxy)propanol	34590-94-8	No known significant effects or critical hazards.	Not classified.
orange turpentine oil	8028-48-6	Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects.	FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1 ASPIRATION HAZARD - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
Tall oil	8002-26-4	Causes serious eye irritation. Causes skin irritation.	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE

4 FIRST-AID MEASURES

4.1 Description of first aid measures**Inhalation:**

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin Contact:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleaner. Do NOT use solvents or thinners.

Eye Contacts:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention/advice.

Ingestion:

If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Give nothing by mouth. Do NOT induce vomiting.

Use suitable protective equipment (section 8).

4.2 Most important symptoms and effects, both acute and delayed

See toxicological information (Section 11)

4.3 Indication of any immediate medical attention and special treatment needed

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an Unconscious person. If unconscious, place in recovery position and seek medical advice.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media:

Recommended: alcohol-resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media:

Do not use water jet as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke.

Exposure to decomposition products may cause a health hazard.

5.3 Advice for fire-fighters

Special firefighting Procedures

Appropriate breathing apparatus may be required.

Cool closed containers exposed to fire with water spray. Keep run-off water out of sewers and other water sources.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Due to the organic solvents content of the mixture:

Exclude sources of ignition and ventilate the area.

Avoid breathing vapour or spray. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Due to the organic solvents content of the mixture: Vapours are heavier than air and may spread along floors. vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with all local, regional, national and international regulations.

Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10).

Observe label precautions. Keep container tightly closed and in a well-ventilated place.

Due to the organic solvents content of the mixture:

Keep away from sources of ignition - No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ingredient name	Occupational exposure limits
2-methoxymethylethoxy)propanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. TWA: 308 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.

Other Exposure limits : CMR: See toxicological information (Section 11)

8.2 Exposure Controls



Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Individual protection measures

Respiratory system:

If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Skin and body:

Personnel should wear antistatic clothing made of natural fibres or of high temperature- resistant synthetic fibres.

Hands:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

For prolonged or repeated handling, use the following type of gloves:

Recommended: 4 - 8 hours: polyethylene (PE) or Viton® gloves.

Eyes:

Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Alcohol-like
Boiling Point (°C)	100
Flash Point	Closed Cup 54 °C (129° F) [Measured]
Density	0.968
Vapour Pressure	0 hPa
Viscosity	Kinematic (40°C) <0.06 cm ² /s (<6 cSt)

10 STABILITY AND REACTIVITY

10.1 Reactivity

No Specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions; oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products

Decomposition products may include the following materials; carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Volatile Organic Content (%) is equal to 65 – 70

Mobility

Solubility in water: Soluble in water

Bioaccumulation:

No data available

Degradability:

No data available

Acute fish toxicity:

No data available

13 DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses

Dispose of According to all federal, state and local applicable regulations

Hazardous Waste: The Classification of the product may meet the criteria for a hazardous waste

14 TRANSPORT INFORMATION

Transport within user's premises:

Always transport in closed containers that are upright and secure, ensure that the person who is transporting the product knows what to do in the event of an accident or spillage.

15 REGULATORY INFORMATION

EU Regulations

The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol or symbols:

**RISK PHRASES**

- R65 Harmful: may cause lung damage if swallowed.
R38 Irritating to skin

SAFETY PHRASES

- S23 Do not breathe gas, fumes or vapour.
S37 Wear suitable gloves
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label.

VOC for Ready-for-Use

Not applicable

Mixture

Not applicable

Europe Inventory

All components are listed or exempted

Additional warning

Not applicable

Safety phrases

Not applicable

Child protection

Not applicable

Tactile warning of Danger

Not applicable

Restrictions on the

Not applicable

Marketing and Use

Not applicable

Directive

Not applicable

16 OTHER INFORMATION

ISSUED BY

Nordic Products and Services Ltd

SDS NO.

1

DATE

27/07/15

DISCLAIMER

The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process. Nothing herein is to be construed as warranty, expressed or implied. It is always the responsibility of the user to take the necessary steps in order to fulfil the demands laid down in the rules and legislation. The product is for Industrial use only.