SAFETY DATA SHEET
Pro-Liquid Plus

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

1.1 Product Identifier
PRODUCT NAME Pro-Liquid Plus

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)

2 HAZARDS IDENTIFICATION

Classification and labelling according to Regulation (EC) 1907/2006 (REACH)
Classification and labelling have been determined according to EU Directives 67/458/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:
Repr. Cat 2; R62

Human health Hazards:
May cause harm to the unborn child.

Environmental hazards:
Not applicable.

2.2b Label elements
Hazard symbol or symbols:

Toxic

Risk phrases: R61- May cause harm to the unborn child.

Safety phrases: S53- Avoid exposure- obtain special instructions before use.
S23- Do not breathe gas, fumes or vapour
S60- This material and its container must be disposed of as hazardous waste.

Contains: N-ethyl-2-pyrrolidone

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 mixtures

Substances presenting as 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
N-ethyl-2-pyrrolidone	>=50- <75	01-2119472138-36	2687-91-4	220-250-6	Repr. Cat 2; R61
2-(butoxyelthoxy)ethanol	>=10 - <20	01-2119475104-44	112-34-5	203-961-6	Xi ; R36

See Section 15 for the full text of the R-Phrases declared above.

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
N-ethyl-2-pyrrolidone	2687-91-4	May damage fertility. May damage the unborn child.	TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B
2-(2-butoxyethoxy)ethanol	112-34-5	Causes serious eye irritation.	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

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 recognized skin cleanser. Do NOT use solvents or thinners.

Eye contact: 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 Extinguisher media

Suitable Extinguishing media:

Recommended: alcohol-resistant foam, CO_2, 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

SPILL CLEAN UP METHODS
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

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

PROTECTIVE EQUIPMENT

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)	190°C
VAPOUR PRESSURE	0.3hPa
FLASH POINT	>100cc (Closed Cup) (theoretical)

10 STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage and handling conditions (see Section 7).

Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products

Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

INGESTION
Harmful if swallowed
SKIN Contact
Prolonged skin contact may cause irritation.
EYE CONTACT
Irritating to eyes.

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 3 for details.
Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, and fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture 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
Not regarded as dangerous for the environment. Volatile Organic Content (%) is equal to 50-55
MOBILITY
Solubility in water: Soluble in water
BIOACCUMULATION
No data available.
DEGRADABILITY
No data available.
ACUTE FISH TOXICITY
No data available.

The product does not contain organically bound halogens which could lead to an AOX value in waste water.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Dispose of according to all federal, state and local applicable regulations.

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14 TRANSPORT INFORMATION

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

International transport regulations
This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15 REGULATORY INFORMATION

LABELLING

CONTAINS
1-ETHYL PYROLIDIN-2-ONE

RISK PHRASES

R22 Harmful if swallowed
R36 Irritating to eyes
R61 May cause harm to the unborn child

SAFETY PHRASES

S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES
Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

ISSUED BY
Nordic Products and Services Ltd
SDS NO. 1
DATE 27/07/15

The information in this Safety Data Sheet is required pursuant to Annex II to Regulation (EC) No 1907/2006

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.