Safety data sheet
N2O calkit
Version 1.1
Effective date: 28-05-2020

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

1.1 Product identifier

Trade name: N2O calkit.

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

Product use: Calibration solution.

1.3 Details of the Supplier of the safety data sheet:

Supplier:
Unisense Environment A/S
Langdyssen 5
DK-8200 Aarhus N
Denmark
Tel: +45 8944 9500
www.unisense.com

Contact: sales@unisense.com

1.4 Emergency telephone number:
Use your national or local emergency number.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP no. 1272/2008.
Not classified.

2.2 Label elements according to CLP no. 1272/2008.

Not classified.

2.3 Other hazards.
The product does not contain any PBT or vPvB substances.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: The product is a mixture.

3.2 Mixture:

The product contains no notifiable substances.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information: In the case of symptoms or doubt: Contact a doctor or casualty department.

Inhalation: Normally no hazard.

Skin contact: Wash hands with water and soap.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Ingestion: Normally no hazard. Get Medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed:
None known.

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

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media:
None known.

5.2 Special hazards arising from the substance or mixture:
The product itself does not burn.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
See section 8 for recommendations on the use of personal protective equipment.

6.2 Environmental precautions:
No special precautions necessary.

6.3 Methods and material for containment and cleaning up:
Small Spills: wipe up with absorbent material (e.g. cloth, fleece).
Then rinse the spillage site with plenty of water.Collected material is disposed of in accordance with section 13.

6.4 Reference to other sections:
See section 8 for personal protection.
See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wear appropriate personal protective equipment - see section 8.
No special precautions necessary. Use according to instruction from supplier.

7.2 Conditions for safe storage, including any incompatibilities:

Store only in the original packaging.
Protect from direct sunlight and frost.

7.3 Specific end use(s): This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Occupational exposure limits EH40 (Great Britain) 2018:

Contains no substances with occupational exposure limits.

DNEL/PNEC:
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8.2 Exposure controls

Appropriate technical measures:

Normal room ventilation.

General information / hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection: Not required.

Hand protection: Work gloves. EN 374.
Option: Nitrile gloves ≥240 min.

Eye protection: Not required.

Body protection: Normal work clothing.

Measures to avoid environmental exposure:

No special precautions necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance: Liquid	**Color:** Clear	**Odor:** Weak/no odor	**PH:** 3	**Viscosity:** No data
Flashpoint: No data	**Boiling point:** ~100°C	**Vapor pressure:** No data	**Density g/cm³:** ~1	**Meltingpoint:** Not relevant
Thermal decomposition: No data	**Auto-ignition:** No danger	**Explosive limits** Not explosive	**Solubility in water:** Soluble	**Decomposition temperature:** No data

9.2 Other information:
None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: None known.

10.2 Chemical stability: Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions:
None known.

10.4 Conditions to avoid: Store frost-free, avoid direct sunlight.

10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products:
None at recommended storage conditions and use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: Not classified.

Additional information: None.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified harmful to the environment.

12.2 Persistence and degradability:
The product is readily biodegradable.

12.3 Bioaccumulative potential:
No potential known.

12.4 Mobility in soil: Easily absorbed into the soil.

12.5 Result of PBT and vPvB assessment:
The product does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Must be disposed of in accordance with local and national regulations. Residues are usually not hazardous waste. The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

Contaminated packing: Properly cleaned container is disposed of according to packaging material, otherwise as the product itself.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO	IATA/ICAO
14.1 UN number	Not relevant	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant	Not relevant

14.4 Packing group	Not relevant	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant	No Not relevant
Other informations	LQ: - Tunnel: -	LQ: - Tunnel: -	LQ: - Tunnel: -

14.6 Special precautions for user:
Not relevant.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Not relevant.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Sources:
Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended). Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EU 830/2015. REACH/CLP 1272/2008. REACH 1907/2006.

Additional information: None.

15.2 Chemical safety assessment:
Chemical safety assessments have not been performed for this product.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:
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Additional information:
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Validated by:
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