SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Nu-Cycle 3

Revision: 1
Revision date: 25/01/2022

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

1.1 Product identifier

Product name	Nu-Cycle 3

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);

1.3 Details of the supplier of the safety data sheet

Company	Innu-Science RH (UK) LTD
Address	Briary Barn, Pury Hill Business Park, Paulerspury, Towcester, Northamptonshire NN12 7LS United Kingdom
Web	https://innuscience.com/gb/
Telephone	01908 991 658
Email:	uk@innuscience.com

1.4 Emergency telephone number

Emergency telephone number	United Kingdom : NHS Direct: +44 0845 4647

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.2 Classification - EC 1272/2008	Not classified as hazardous

SECTION 3: Composition/information on ingredients

3.2 Mixtures

EC 1272/2008

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Citric acid		5949-29-1	201-069-1	01-2119457026-42	1-10%	Eye Irrit. 2: H319;
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	1-10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so.
Eye contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash with water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	No irritation expected.
Skin contact	No irritation expected.
Ingestion	Unlikely to be harmful unless excessive amount ingested.

4.3 Indication of any immediate medical attention and special treatment needed

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media

	Carbon dioxide (CO2). Water jet. For large fires:. Alcohol resistant foam. Water jet.

5.2 Special hazards arising from the substance or mixture

	No special hazards known.

5.3 Advice for firefighters

	Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

	Not normally required.

6.2 Environmental precautions

	Do not allow product to enter drains. Dilute with water.

6.3 Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. For incompatibilities refer to section 10.4.

7.3 Specific end use(s)

	No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Exposure Limit Values - UK

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm:	400
	WEL 8-hr limit mg/m3:	999
	WEL 15 min limit ppm:	500
	WEL 15 min limit mg/m3:	1250

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

Isopropanol (Propan-2-ol)	Occupational Exposure Limit Value (8-hour reference period)	200 ppm
	Occupational Exposure Limit Value (15-minute reference period)	400 ppm

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Isopropanol (Propan-2-ol)	Long-term - inhalation - Systemic effects	500 mg/m³
	Long-term - dermal - Systemic effects	888 mg/kg

Exposure Pattern - General population

Isopropanol (Propan-2-ol)	Long-term - inhalation - Systemic effects	80 mg/m³
	Long-term - dermal - Systemic effects	319 mg/kg
	Long-term - oral - Systemic effects	26 mg/kg

8.2 Exposure controls

	
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wash hands after handling the product.
8.2.1 Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2 Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing.
Eye / face protection	Not normally required. In case of splashing, wear:. Safety glasses. (EN166)
Skin protection - Hand protection	Wash hands after handling the product. For prolonged contact protection for the skin may be necessary. (EN374)
Respiratory protection	Not normally required. Do not breathe gas/fumes/vapour/spray.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Characteristic
pH	<4
Melting point	Not determined
Freezing Point	Not determined
Initial boiling point	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable to liquids
Fat Solubility	Not determined
Partition coefficient	Not determined
Autoignition temperature	Not determined
Viscosity	<100 cp @20^{o}C
Explosive properties	Not explosive
Oxidising properties	Not oxidising
Solubility	Soluble in water
Vapour pressure	Not determined

9.2 Other information

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	1.00 g/cm³

SECTION 10: Stability and reactivity

10.1 Reactivity

	No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

	Stable under normal conditions.

10.3 Possibility of hazardous reactions

	No other adverse effects known.

10.4 Conditions to avoid

	None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Skin corrosion/irritation	No irritation expected.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

11.1.4 Toxicological Information

Citric acid	Inhalation Rat LC50/15min:	NDA	Dermal Rat LD50:	NDA
	Oral Rat LD50:	3000 mg/kg	Oral Mouse LD50:	5400 mg/kg
	Dermal Rabbit LD50:	NDA	Dermal Guinea Pig LD50:	NDA
Isopropanol (Propan-2-ol)	Inhalation Rat LC50/15min:	NDA	Dermal Rat LD50	NDA
	Oral Rat LD50:	NDA	Oral Mouse LD50:	3600 mg/kg
	Dermal Rabbit LD50:	NDA	Dermal Guinea Pig LD50	NDA

SECTION 12: Ecological information

12.1 Toxicity

Citric acid	Fish LC50/96h:	760mg/l
	Daphnia LC50/72h	120 mg/l
	Algae EC50/168h	640mg/l
Isopropanol (Propan-2-ol)	Fish LC50/96h:	1000.0000 mg/l
	Daphnia LC50/48h:	NDA
	Green algae EC50/96h:	NDA

12.2 Persistence and degradability

	No data is available on this product.

12.3 Bioaccumulative potential

	No data is available on this product.

Partition coefficient

	No data is available on this product.

12.4 Mobility in soil

	No data is available on this product.

12.5 Results of PBT and vPvB assessment

	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Other adverse effects

	No other adverse effects known.

SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.

Disposal of packaging

	Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water.

Further information

	European Waste Catalogue:. 20 01 30 detergents other than those mentioned in 20 01 29.

SECTION 14: Transport information

14.1 UN number

	The product is not classified as dangerous for carriage.

14.2 UN proper shipping name

	The product is not classified as dangerous for carriage.

14.3 Transport hazard class(es)

ADR/RID	The product is not classified as dangerous for carriage.
Subsidiary risk	-
IMDG	The product is not classified as dangerous for carriage.
Subsidiary risk	-
IATA	The product is not classified as dangerous for carriage.
Subsidiary risk	-

14.4 Packing group

Packing group	The product is not classified as dangerous for carriage.

14.5 Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	-

IMDG

EmS Code	-

IATA

Packing Instruction (Cargo)	-
Maximum quantity	-
Packing Instruction (Passenger)	-
Maximum quantity	-

SECTION 15: Regulatory information

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

	EU regulations: • Regulation(EC)No.1907/2006 - REACH • Regulation(EC)No1272/2008 - CLP • Regulation(EC)No.648/2004 - Detergents regulation Ingredients according to EC Detergents Regulation 648/2004 1 - 5%: Non ionionic surfactants <1%: Salts of EDTA, Preservatives

15.2 Chemical safety assessment

	A chemical safety assessment has not been carried out on the mixture.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. Changes to sections: NEW
Acronyms	LC: Lethal concentration. LD: Lethal dose. NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available.
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Internal ref: F000526