



SAFETY DATA SHEET

Version No.2

Revision date: 20/11/23

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier:

Trade name:
01062 Coolant

1.2 Relevant Identified Uses:

Relevant identified uses: Anti – corrosive coolant, -20° C.

1.3 Details of the Supplier of the Safety Data Sheet:

Company name: Draper Tools Ltd
Address: Hursley Road, Chandler's Ford
Eastleigh, Hampshire SO53 1YF
Telephone: +44 (0) 23 80266355
Email: sales@drapertools.com
Contact person: Customer Service
Website: www.drapertools.com

1.4 Emergency Telephone Number:

+44 (0) 23 80266355 (not 24hrs)

2. Hazards Identification

Warning symbols: none
Signal word: not applicable
Hazardous substances: none
Standard hazard statements: not applicable
Instructions for safe handling: not applicable

3. Composition/Information on Ingredients

A mixture of non-hazardous substances or the content of hazardous substances in this mixture is below the reported concentration.

4. First Aid Measures

4.1 First Aid

Inhalation:

Unlikely – it does not evaporate.

Contact with skin:

Rinse with plenty of water. Treat with cream. With heavy contamination of parts of clothing, shoes and socks – immediately remove from the body.

Contact with eyes:

Thoroughly rinse with clean water flow for 10 - 15 min with the eyelid open immediately.

Ingestion:

Do not induce vomiting. Consult a doctor. Ensure quiet and calm to the affected person.

4.2 The most important symptoms and effects (acute & delayed):

Inhalation:

There is no inhalation in the usual way of using and maintaining basic hygiene regulations.

Contact with skin:

Exceptionally, it may cause mild irritation.

Contact with eyes:

Irritates the eyes, redness of the whites may occur.

Ingestion:

May irritate the gastrointestinal tract, may cause nausea & vomiting.

4.3 Instructions for immediate medical assistance and special treatment:

Symptomatic treatment.

5. Fire Fighting Measures

Non-flammable liquid.

5.1 Extinguish media:

Appropriate: extinguishing powder, CO₂, foam, water.

Inappropriate: -

5.2 Special hazards arising from the substance or mixture:

combustion produces COx.

5.3 Advice for firefighters:

Protective clothing, in enclosed spaces self-contained breathing apparatus.

5.4 Other data: -

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures:

For personnel other than emergency responders:

Wear appropriate protective equipment - protective clothing, goggles, gloves, and work boots. Ensure adequate ventilation. Risk of slipping in case of spillage. Follow the instructions contained in Chapters 7 and 8.

For emergency responders:

Wear appropriate protective equipment - protective clothing, goggles, gloves, and work boots.

6.2 Special hazards arising from the substance or mixture:

In case of leakage, bury with an absorbent non-flammable material, sand, and deliver in a closed container for disposal.

6.3 Methods and materials to prevent spread and for cleaning:

Dispose of the soaked rags or other absorbent material – sand – in suitable waste containers. Disposal according to local regulations. In the event of a large spill, ensure that the product does not enter a watercourse. In this case, inform the competent authorities.

7. Handling and Storage

7.1 Safety precautions for safe use:

Protect your eyes from injury. Before work breaks or at the end of working hours thoroughly wash hands with water and treat with a suitable cream. Do not eat, drink or smoke while using.

7.2 Conditions for safe storage:

Store in well-closed and original containers in a dry place. Do not store together with acids and oxidizing agents. Shelf life up to 24 months from the date of manufacture.

Suitable packaging material:

Plastic HDPE – 2, PET – 1, PP – 5 packaging.

Unsuitable packaging material:

Metal.

7.3 End use specifications:

Cooling anti-corrosive liquid, -20° C.

8. Exposure Controls/Personal Protection

Technical measures: Store the well closed original container in a dry place. Do not store together with strong acids as well as oxidizing agents.

8.1 Control parameters:

Identification numbers	Chemical name of the substance	Maximum permissible concentration NPK-P (limit)
CAS: 102-71-6	2,2',2''-nitriloytriethanol	PEL 5 mg/m ³
ES: 203-049-8		NPK-P 10 mg/m ³

* The content of this substance in the preparation is 0.1%

Other data on limit values

DNEL for CAS 102-71-6: 2,2',2''-nitriloytriethanol

DNEL worker:

Inhaled long-term local effects	1 mg/m ³
Dermal long-term systemic effects	7.5 mg/m ³
Dermal long-term local effects	140 µg/cm ²

DNEL consumer:

Inhaled long-term local effects	400 µg/m ³
Dermal long-term systemic effects	2.66 mg/kg
Dermal long-term local effect	70 µg/cm ²
Oral long-term systemic effects	3.3 mg/kg

DNEL for CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

DNEL worker:

Inhaled long-term systemic effects	168 mg/m ³
Inhaled long-term local effects	10 mg/m ³

DNEL consumer:

Inhaled long-term systemic effects	50 mg/m ³
Inhaled long-term local effects	10 mg/m ³

DNEL for CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

Freshwater	320 µg/l
Intermittent leakage	5.12 mg/l
Seawater	32 µg/l
WWTP	10 mg/l
Sediment freshwater	1.7 mg/kg
Sediment seawater	0.17 mg/kg
Soil	0.151 mg/kg

PNEC for CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

Freshwater	260 mg/l
Intermittent leakage	183 mg/l
Seawater	26 mg/l
WWTP	20 g/l
Sediment freshwater	572 mg/kg
Sediment seawater	57.2 mg/kg
Soil	50 mg/kg

8. Exposure Controls/Personal Protection

8.2 Occupational exposure controls:

A complete set of specific protective and precautionary measures, point 7 of the safety data sheet. Usual precautions are taken when handling chemicals. Do not eat, drink or smoke at work. During breaks and after work, thoroughly wash hands with water. Do not touch your eyes before washing your hands.

Personal protective equipment:

Workers are required to wear appropriate protective clothing, work gloves.

Skin protection:

latex protective work gloves, PVC, PE, EN 374.

Respiratory protection: -

Eye protection: protective work goggles EN 166.

Personal and occupational hygiene: Wash contaminated hands with water and soap before work breaks. Do not eat, drink or smoke at work.

9. Physical and Chemical Properties

Physical condition (at +20° C):	Liquid	pH of the concentrate:	8.5
Colour:	Clear	Kinematic viscosity:	-
Odor: characteristic:	None	Solubility (at 20 °C):	
Odor threshold:	Not set	- in water:	Soluble
Heat / freezing temperature (° C):	- 20	- in fats:	Not set
Boiling point and boiling point range (° C):	Not set	Partition coefficient n-okt./water:	-
Combustibility:	Non-flammable liquid	Vapour pressure:	Data not available
Explosive limit value:	Non-explosive (under normal conditions)	Density and/or relative density:	1.04 g/cm ³
Flash point (° C):	-	Relative vapour density:	Data not available
Auto-ignition temperature (° C):	-	Other information:	See new BL decree
Decomposition temperature (° C):	> 300	Oxidation purposes:	Data not available

10. Stability and Reactivity

10.1 Reactivity:	n/a	10.5 Incompatible materials:	n/a
10.2 Chemical stability:	The product is stable under normal conditions, reacts with metals - their passivation .	10.6 Hazardous decomposition products:	Upon thermal decomposition, amines are formed.
10.3 Possibility of dangerous reactions:	n/a	Other data: -	
10.4 Conditions to be avoided:	Contact with compounds with polysaturated bonds - loss of anti-corrosion properties .		

11. Toxicological Information

11.1 Information on hazard classes

a) Acute toxicity: Based on available data, the classification criteria are not met.

For CAS 102-71-6: 2,2',2''-nitrotriethanol (the content of this substance in the preparation is below 0.1%)

	Dose	Species	Source
LD50, oral	> 6400 mg/kg	Rat	Manufacturer
LD50, dermal	> 2000 mg/kg	Rabbit	Manufacturer

For CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

	Dose	Species	Source
LD50, oral	>22000 mg/kg	Rat	Manufacturer
LD50, dermal	> 2000 mg/kg	Rabbit	Manufacturer

b) Irritation and corrosivity: Based on available data, the classification criteria are not met.

c) Sensitising effects: Based on available data, the classification criteria are not met.

d) Carcinogenic/mutagenic/toxic effects for reproduction: Based on available data, the classification criteria are not met.

e) STOT-single exposure: Based on available data, the classification criteria are not met.

f) STOT-repeated exposure: Based on available data, the classification criteria are not met.

g) Aspiration hazard: Based on available data, the classification criteria are not met.

h) Information on likely routes of exposure: Skin contact, Eye contact, oral, Inhalation.

11.2 Information on other hazards: -

11.2.1 Endocrine disrupting properties: No information available.

11.2.2 Other information: -

12. Ecological Information

12.1 Toxicity of the mixture:

Avoid free handling of the product, use the product only according to the enclosed instructions.

For CAS 102-71-6: 2,2',2''-nitrotriethanol (the content of this substance in the preparation is below 0.1%)

LC ₅₀ for freshwater fish	11.8 g/l
EC ₅₀ /LC ₅₀ for freshwater invertebrates	609.88 mg/l
NOEC for freshwater invertebrates	16 mg/l
EC ₅₀ for freshwater algae	512 mg/l
NOEC for freshwater algae	26 mg/l
EC ₅₀ for micro-organisms	1 g/l

12. Ecological Information

For CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

LC50 for freshwater fish	40.613 g/l
EC50/LC50 for freshwater invertebrates	18.340 g/l
EC50/LC50 for marine invertebrates	18.8 g/l
NOEC for freshwater invertebrates	13.02 g/l
EC50 for freshwater algae	19 g/l
EC50 for marine algae	19.1 g/l
NOEC for micro-organisms	20 g/l

12.2 Persistence and degradability: Degradable under EU Directive No. 648/2004.

12.3 Bio accumulative potential: n/a

12.4 Mobility in soil: n/a

12.5 Results of PBT and vPvB assessment: The mixture does not contain Substances classified as PBT vPvB at the date of preparation of the SDS.

12.6 Endocrine disrupting properties: Does not contain substances listed in the main European lists of potential or suspected interfering substances, endocrine disruptors with assessed environmental effects.

12.7 Other adverse effects: None.

13. Disposal Considerations

13.1 Product waste management methods:

Do not burn (dispose of) with ordinary household waste.

Proceed according to the Waste Act 541/2020 Coll., i.e. hand over to a person authorised under this Act. Dispose of the clean liquid in a WWTP. Classification according to the waste catalogue: 11 01 99 – wastes not otherwise specified.

13.2 Packaging management methods:

Do not burn (dispose of) with ordinary household waste.

Proceed according to local regulations - in accordance with the provisions of Act No. 541/2020 Coll. on waste, i.e. hand over to a person authorised under this Act. After rinsing with water, category O. Classification according to the waste catalogue: 15 01 02 – plastic packaging.

14. Transport Information

The product is not classified as hazardous for transport.

15. Regulatory Information

15.1 Information on authorisations and restrictions for all substances contained in the mixture: n/a

15.2 Chemical safety assessment: Not carried out.

Safety, health and environmental regulations/specific legislation relating to the substance or mixture:

COMMISSION REGULATION (EU) 2016/918 of 19 May 2016, COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016, COMMISSION REGULATION (EU) 2017/542 of 22 March 2017, COMMISSION REGULATION (EU) 2018/669 of 16 April 2018 Commission Regulation (EC) No 790/2009. Commission Directive 91/322/EEC, laying down indicative limit values for the implementation of Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work. Regulation (EC) No 396/2005 of the European Parliament and of the Council on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC. Commission Regulation (EC) No 149/2008 amending Regulation (EC) No 396/2005 of the European Parliament and of the Council by establishing Annexes II, III and IV setting maximum residue levels for the products listed in Annex I to Regulation No 396/2005. Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents used at work

(14th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC). Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values for the implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents used at work. Commission Directive 2006/15/EC laying down a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC. Act on the Care of Public Health (20/1966 Coll.), as amended, in particular Act No. 258/2000 Coll. (Act on the Protection of Public Health) Act No. 258/2000 Coll. on the Protection of Public Health and on the Amendment of Certain Related Acts, as amended. Act No. 309/2006 Coll. regulating further requirements for occupational safety and health in labour relations and on ensuring safety and health in the course of activities or provision of services. Substances included in the Candidate List (SVHC) pursuant to Regulation (EC) No 2020/878 of the European Parliament and of the Council REACH: none

16. Other Information

Legend to abbreviations and abbreviated words:

CAS	A unique numerical identifier for chemical substances.
ES (EINECS)	Existing substances (European Inventory of Existing Chemical Substances).
NPK-P	Maximum permissible concentration in the working environment.
PEL	Permissible Exposure Limit.
DNEL	Derived level at which no adverse effects occur.
PNEC	An estimate of the concentration at which no adverse effects occur.

Sources of the most important data: Manufacturer's technical data.

H phrases not mentioned elsewhere: -

Instructions for training: not subject to the need for training by an authorised person, general training on chemicals and chemical preparations.