

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 878/2020

EN

Article No.: 27240
Revision date: 27.10.2023
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Version: 2.0

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

1.1 Product identifiers

First name of the product : Neverdrop
Article number : 27240
UFI : WPEE-32DD-X00E-MH54

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

Uses identified : Coating system

1.3 Details of the supplier of the safety data sheet

Company : Nanoprom Chemicals Srl Società Benefit
Via Canale, 300 - 42013 Sant'Antonino di Casalgrande (RE)
Telephone : +39 0536 87.16.77
Fax : +39 0536 194.04.24
Address e-mail : info@nanoprom.it

Responsible sector (for information about it)

E-mail (experienced person): sds@nanoprom.it

1.4 Emergency telephone

In UK: 111 (for routine poison advice)
999 (for very severe symptoms)

SECTION 2: hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) n. 1272/2008
Flammable liquid (Category 2) H225: Highly flammable liquid and vapour.
Eye irritation (Category 2) H319: Causes serious eye irritation.
Specific target organ toxicity – H336: May cause drowsiness or dizziness.
single exposure (Category 3)

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008

Pictogram





Signal Word

Danger

Hazard statements

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

Precautionary statements

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260

Do not breathing vapours.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists, get medical attention.

Supplemental Hazard Information (EU): none

Contains

67-63-0

Propan-2-ol

2.3 Other hazards

Avoid formation of aerosol. This product is not intended for spray application. For spray application of the product, it may by inhalation of aerosol droplets lead to a significant irritation of the respiratory tract. The user is responsible for testing of fitness and product safety depending on individual purpose.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of the REACH Regulation or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.




SECTION 3: composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Components

Component name	CAS No. EC No. Reg No.	Conc. (%m/m)	Classification	Pictograms	ATE, SCL, M-factor
Propan-2-ol	67-63-0 200-661-7 01-2119457558- 25-XXXX	≥ 70% < 75%	Flam Liq 2 H225 Eye Irrit 2 H319 STOT SE 3 H336	 	/
Dodecane	112-40-3 203-967-9 01-2119486573- 28-XXXX	≥ 7% < 8%	Asp Tox 1 H304 EUH066		/

SECTION 4: first aid measures

4.1 Description of first aid measures

General Information: In all cases of doubt, or when symptoms persist, consult a physician. In case of unconsciousness do not administer anything by mouth, put in a safe position and consult a doctor.

Skin contact: Remove contaminated clothing. Take a shower immediately. Get medical attention. Wash contaminated clothing before reusing them.

Eye contact: Remove any contact lenses. Wash immediately and thoroughly with water for at least 15 minutes, opening the eyelids. Seek medical attention if the problem persists.

Ingestion: Call a doctor immediately. Do not induce vomiting. Do not administer anything that is not expressly authorized by the physician.

Inhalation: Take the subject to fresh air. If breathing ceases, give artificial respiration. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.



Suitable extinguishing media: Alcohol resistant foam
 Carbon dioxide
 ABC powder

For product leaks and spills that have not ignited, water spray can be used to disperse flammable vapors and protect people engaged in stopping the leak.

Unsuitable extinguishing media: Direct water jet.

Water is not effective in extinguishing fire; however, it can be used to cool closed containers exposed to flame preventing bursts and explosions.

5.2 Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE

Overpressure can be created in containers exposed to fire with danger of explosion. Avoid breathing in the products of combustion.

5.3 Advice for firefighters

GENERAL INFORMATION

Cool containers with jets of water to prevent decomposition of the product and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect firefighting water that must not be discharged into the sewer system. Dispose of contaminated water used for extinguishing and fire residue according to applicable regulations.

EQUIPMENT

Normal firefighting clothing, such as an open-circuit self-contained compressed air breathing apparatus (EN 137), flame-resistant suit (EN469), flame-resistant gloves (EN 659) and firefighter's boots (HO A29 or A30).

5.4 Further information

Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger. Wear appropriate protective equipment (including personal protective equipment in Section 8 of the MSDS) to prevent contamination of skin, eyes and personal clothing. These directions apply to both work crews and emergency responders. Keep unequipped persons away. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) or heat from the area where the leak occurred.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Vacuum the spilled product into suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remaining with inert absorbent material. Provide sufficient ventilation of the place affected by the spill. Disposal of the contaminated material should be carried out in accordance with the provisions of Section 13.

6.4 Reference to other sections

Section 13 for disposal information. Section 7/8 for protective provisions

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat, sparks and open flames; do not smoke or use matches or lighters. Without adequate ventilation, vapors may accumulate on the ground and ignite even at a distance, if ignited, with danger of flashback. Avoid the accumulation of electrostatic charges. Connect to a grounding outlet in the case of large packages during pouring operations and wear antistatic shoes. Strong agitation and vigorous flow of liquid in pipes and equipment can cause electrostatic charge formation and accumulation. To avoid the danger of fire and bursting, never use compressed air in handling. Open containers carefully, as they may be under pressure. Do not eat, drink or smoke during use. Avoid dispersion of the product into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store containers unopened, in a well-ventilated place, out of direct sunlight. Store in a cool, well-ventilated place away from heat, open flames, sparks and other sources of ignition. Store containers away from any incompatible materials, checking section 10.

7.3 Specific End Uses

See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with exposure limits

Component	CAS No.	Value	Control parameter	Basis
Propan-2-ol	67-63-0	TWA / 8h	492 mg/m ³ (200 ppm)	TLV-ACGIH
		STEL / 15 min	983 mg/m ³ (400 ppm)	TLV-ACGIH
		TWA / 8h	999 mg/m ³ (400 ppm)	WEL (GBR)
		STEL / 15 min	1250 mg/m ³ (500 ppm)	WEL (GBR)

Derived No Effect Level (DNEL)

Component	Field of application	Route of exposure	Health effects	Value
Propan-2-ol	Workers, long term	Inhalation	Systemic effects	500 mg/m ³
	Workers, long term	Dermal	Systemic effects	888 mg/kg bw/d
	Consumers, long term	Inhalation	Systemic effects	89 mg/m ³
	Consumers, long term	Dermal	Systemic effects	319 mg/kg bw/d
	Consumers, long term	Oral	Systemic effects	26 mg/kg bw/d

Predicted No Effect Concentration (PNEC)

Component	Environmental compartment	Value
Propan-2-ol	Fresh water	140.9 mg/L
	Sea water	140.9 mg/L
	Fresh water sediment	552 mg/kg
	Sea sediment	552 mg/kg
	Sewage treatment plant	2251 mg/L

8.2 Exposure controls

Appropriate engineering controls

Given that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation.

When choosing personal protective equipment, seek advice from your chemical suppliers, if necessary.

Personal protective equipment should bear the CE marking attesting to its compliance with applicable standards.

Provide emergency shower with eye tray.

Individual protection

Eye protection: It is recommended to wear airtight protective goggles (ref. standard EN 166).

Hand protection: Protect hands with category III work gloves (ref. standard EN 374). For the final choice of work glove material, the following should be considered: compatibility, degradation, breakthrough time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be verified before use because it cannot be

predicted. Gloves have a wear time that depends on the duration and mode of use.

**Skin protection
and body protection**

Wear work clothes with long sleeves and safety footwear for professional use of category I (ref. Regulation 2016/425 and EN ISO 20344). Wash with soap and water after removing protective clothing. Consider providing antistatic clothing if the work environment presents an explosive hazard.

Respiratory Protection:

If the threshold value (e.g., TLV-TWA) of the substance or one or more of the substances in the product is exceeded, it is recommended that a mask with a type A filter be worn, the class (1, 2 or 3) of which should be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined type filters should be provided. The use of means of respiratory protection and necessary in case the technical measures taken are not sufficient to limit the worker's exposure to the threshold values considered. The protection offered by masks is in any case limited. In case the substance under consideration is odorless or its odor threshold is higher than the relevant TLV-TWA and in case of emergency. Wear an open-circuit self-contained compressed-air breathing apparatus (ref. standard EN 137) or a supplied-air respirator (ref. standard EN 138). Refer to EN 529 for the correct choice of respiratory protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be controlled in compliance with environmental protection regulations.

SECTION 9: physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | | |
|----|----------------------------|----------------|
| a) | Physical state | liquid |
| b) | Color | colorless |
| c) | Odor | alcoholic |
| d) | Melting/
freezing point | not determined |
| e) | Initial boiling point | 82°C |

	and boiling range	
f)	Flammability	not determined
g)	Upper/lower explosive limits	2 – 12 vol%
h)	Flash point	12.5°C
i)	Temperature of self-ignition	not determined
j)	Temperature of decomposition	not determined
k)	pH	2.8-3.2
l)	Viscosity	not determined
m)	Solubility in water	not determined
n)	Partition coefficient: n-octanol/water	not determined
o)	Vapor pressure	not determined
p)	Relative density	0.79 g/cm ³ (20°C)
q)	Relative vapor density	not determined
r)	Characteristics of the particles	not applicable

9.2 Other Information

Information relating to classes of physical hazards

Explosive not applicable

Other security features

Corrosive in contact with metals	not corrosive
Evaporation rate	not determined
Oxidizing properties	not determined
Total solids:	30.00%
VOC (Dir. 2010/75/CE):	70 % - 553.00 g/L
VOC (volatile carbon):	41.93% - 331.258 g/L

SECTION 10: stability and reactivity

10.1 Reactivity

The product is stable under normal conditions of use and storage.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to Section 7.

10.3 Possibility of hazardous reactions



Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Avoid overheating. Avoid accumulation of electrostatic charge. Avoid any source of ignition.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

Gases and vapors potentially harmful to health can be released by thermal decomposition or in case of fire.

SECTION 11: toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product

ATE (Inhalation) of the mixture: Not classified (no relevant component)

ATE (Oral) of the mixture: Not classified (no relevant component)

ATE (Dermal) of the mixture: Not classified (no relevant component)

Propan-2-ol

Oral acute toxicity: LD50, Rat: 5500 mg/kg Method: OCSE 401

Inhalative acute toxicity: LC50, Rat: 72.6 mg/L (4 h) Method: OCSE 403

Dermal acute toxicity: LD50, Rat: 12800 mg/kg Method: OCSE 402.

Skin corrosion/ skin irritation

Does not meet the classification criteria for this hazard class.

Serious eye damage/ eye irritation

Causes severe eye irritation.

Respiratory or skin sensitisation

Does not meet the classification criteria for this hazard class.

Mutagenicity of germ cells

Does not meet the classification criteria for this hazard class.

Carcinogenicity

Does not meet the classification criteria for this hazard class..

Reproductive toxicity

Does not meet the classification criteria for this hazard class.

Specific target organ toxicity (STOT) – single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity (STOT) - repeated exposure

Does not meet the classification criteria for this hazard class.

Aspiration toxicity

Does not meet the classification criteria for this hazard class.

11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of the REACH Regulation or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: ecological information

12.1 Toxicity

Product

No information available.

Propan-2-ol

Fish toxicity, LC50: 10000 mg/L/96 h

Algae toxicity, EC50: >1000 mg/L/72 h

12.2 Persistence and degradability

Propan-2-ol

Readily biodegradable

12.3 Bioaccumulative potential

Propan-2-ol

Partition coefficient: n-octanol/water 0.05.

12.4 Mobility in soil

Toxicological data are not available.

12.5 Results of PBT and vPvB assessment

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or greater.

12.6 Endocrine-disrupting properties

The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of the REACH Regulation or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal information

13.1 Waste treatment methods

Product Reuse if possible. Product residues are to be considered special hazardous waste. The hazardousness of wastes that partially contain this product must be evaluated according to current legislative requirements. Disposal should be entrusted to a licensed waste management company in accordance with national and, if applicable, local regulations. Waste transportation may be subject to ADR.

Packaging Contaminated packaging must be sent for recovery or disposal in accordance **contaminated** with national waste management regulations.

SECTION 14: transport information

14.1 UN number

ADR/RID: 1219 IMDG: 1219 IATA: 1219

14.2 UN proper shipping name

ADR/RID: ISOPROPANOL (ISOPROPYL ALCOHOL) IN SOLUTION

IMDG: ISOPROPANOL (ISOPROPYL ALCOHOL) IN SOLUTION

IATA: ISOPROPANOL (ISOPROPYL ALCOHOL) IN SOLUTION

14.3 Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packing group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards

ADR/RID: NO IMDG: NO IATA: NO

14.6 Special precautions for user

ADR/RID: HIN - Kemler: 33 Limited quantity: 1 L

Tunnel restriction code: D/E

Special arrangement: -

IMDG: EMS Code: F-E, S-D Limited quantity: 1 L

IATA: Cargo: Maximum quantity: 60 L Packing Instructions: 364

Pass: Maximum quantity: 5 L Packing instruction: 353

Special arrangement: A180

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Non applicable.

The transport classification(s) provided herein are for informational purposes only and based solely on the properties of the unpackaged material as described in this MSDS. Transport



classifications may vary based on mode of transport, package size, and variations in regional or national regulations.

SECTION 15: Regulatory information

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

This safety data sheet complies with the provisions of Regulation (EC) No. 1907/2006.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

Product: Points: 3 – 40

REACH – Candidate List of Substances of Very High Concern for Authorization (Article 59): not applicable.

Regulation (EC) n.1005/2009 on substances that deplete the ozone layer:
Not applicable.

Regulation (EU) 2019/1021 on persistent organic pollutants (recast):
Not applicable.

REACH – List of substances subject to authorization (Annex XIV): not applicable.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:
Propan-2-ol: P5c.

VOC (CH): 99.70% w/w

15.2 Chemical safety assessment

The chemical safety assessment according to regulation (EC) n.1907/2006 has not been carried out for this product.

A chemical safety assessment has been performed for one substance in the mixture: propan-2-ol (CAS: 67-63-0 REACH No.: 01-2119457558-25-XXXX).

SECTION 16: other information

Full text of Hazard (H) Statements referred to in Sections 2-3.

Flam Liq. 2 Flammable liquid category 2

Eye Irrit. 2 Eye irritant category 2



STOT SE 3 Specific target organ toxicity - single exposure category 3
Asp Tox. 1 Aspiration toxicity category 1

Classification and procedure used to classify the mixture according to Regulation (EC) 1272/2008:

Classification according to Regulation (EC) n. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Method of calculation
STOT SE 3, H336	Method of calculation
Flam Liq. 2, H225	Experimental data

Review note

Paragraphs of the SDS that have been updated: General revision and adaptation to the new regulation (EC) 878/2020.

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the international carriage of dangerous goods by road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for Testing of Materials; bw - Body weight; CLP - Classification, Labeling and Packaging Regulation; Regulation (EC) No. 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardization; DSL - Domestic List of Substances (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Load rate associated with x% response; EmS - Emergency Program; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half of the maximum inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemicals China; IMDG - International Maritime Transport of Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Inventory of Existing Chemicals; LC50 - 50% lethal concentration for a test population; LD50 - 50% lethal dose for a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; nos - not otherwise specified; NO(A)EC - No Observed (Adverse) Effect Concentration ; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observed Effect Load Rate; NZIoC - New



Zealand Chemicals Inventory; OECD - Organization for Economic Co-operation and Development; OPPTS - Bureau of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Chemical Substances Inventory of the Philippines; (Q)SAR - (Quantitative) Structure Activity Relationships; REACH - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, authorization and restriction of chemical substances; RID - Regulations concerning the international rail transport of dangerous goods; SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemical Substances Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative .

The information in this factsheet is correct to our best knowledge of the product at the time of publication. This information is provided for the sole purpose of allowing the use, storage, transport and disposal of the product in the most correct and safest way. This information should not be considered a guarantee or specification of product quality. They refer only to the material specifically indicated and are not valid for the same when used in combination with other materials or in other processes not specifically indicated in the text of the Information Sheet of the material.