

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 27/10/2023 Revision date: 22/10/2024 Supersedes version of: 20/12/2023 Version: 2.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: WOLF COOLANT G11 GREEN -17°C
UFI	: EYSX-SHJY-4N4V-RFY4
Product code	: 50157
Type of product	: WOLF
Product group	: Blend

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

Relevant identified uses

Main use category	: Industrial use, Professional use, Consumer use
Industrial/Professional use spec	: Non-dispersive use
	Used in closed systems
Function or use category	: Liquid for car cooling circuit

1.3. Details of the supplier of the safety data sheet

WOLF OIL CORPORATION N.V. Georges Gilliotstraat, 52 2620 Hemiksem, Antwerpen België T 0032 (0)3 870 00 00, F 0032 (0)3 870 00 99 msds@wolfoil.com, https://www.wolflubes.com/

1.4. Emergency telephone number

Emergency number

: 0032 (0)3 870 00 00

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	112 +356 2545 6508	
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302 Specific target organ toxicity – Repeated exposure, Category 2 H373 Full text of H- and EUH-statements: see section 16

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

	GHS07 GHS08
Signal word (CLP)	: Warning
Contains	: ethanediol
Hazard statements (CLP)	: H302 - Harmful if swallowed.
	H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (on ingestion).
Precautionary statements (CLP)	: P260 - Do not breathe dust, fume, gas, mist, spray, vapours.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P270 - Do not eat, drink or smoke when using this product.
	P301+P312 - IF SWALLOWED: Call a POISON CENTER, doctor if you feel unwell.
	P314 - Get medical advice/attention if you feel unwell.
	P330 - Rinse mouth.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

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2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier		Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanediol	CAS-No.: 107-21-1 EC-No.: 203-473-3 EC Index-No.: 603-027-00-1 REACH-no: 01-2119456816- 28	25 – 35	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 2, H373

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Adverse effects not expected from this product. Allow affected person to breathe fresh air. Place the victim in semi-seated position. Seek medical advice.
First-aid measures after skin contact	: Remove contaminated clothing. Wash skin with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Contact lenses should be removed. Seek medical attention if ill effect or irritation develops.

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First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.	
4.2. Most important symptoms and effe	cts, both acute and delayed	
Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.	
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.	
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.	
Symptoms/effects after ingestion	: Harmful if swallowed.	
4.3. Indication of any immediate medical attention and special treatment needed		

No additional information available

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry chemical product.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Hazardous decomposition products in case of fire	Not flammable. Heating will cause a rise in pressure with a risk of bursting.Upon heating, toxic fumes are formed.	
5.3. Advice for firefighters		
Precautionary measures fire Firefighting instructions Protection during firefighting	 Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not enter fire area without proper protective equipment, including respiratory protection. 	

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
For non-emergency personnel	For non-emergency personnel		
Protective equipment	: Wear suitable protective clothing and gloves.		
For emergency responders			
Protective equipment	: Wear suitable protective clothing and gloves.		
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.			

 6.3. Methods and material for containment and cleaning up

 For containment
 : Impound and recover large spill by mixing it with inert granular solids.

 Methods for cleaning up
 : Detergent. Small quantities of liquid spill: take up in non-combustible absorbent material and

Shovel into container for disposal.Other information: Spill area may be slippery. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	 Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. Remove ignition sources. No open flames. No smoking. Take precautionary measures against static discharges.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including	ng any incompatibilities
Storage temperature	: 40 °C
Heat and ignition sources	 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Information on mixed storage	: Food.
Storage area	: Store in dry, cool, well-ventilated area.
Special rules on packaging	: Packaging destined for the general public must be fitted with child-proof closures and a tactile danger indication.
Germany	
Storage class (LGK, TRGS 510)	: LGK 10-13 - Other combustible and non-combustible substances
Switzerland	
Storage class (LK)	: LK 6.1 - Toxic materials
7.3. Specific end use(s)	

Anti-Freeze and De-icing products.

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
National occupational exposure and biological limi	t values	
WOLF COOLANT G11 GREEN -17°C		
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL STEL	104 mg/m³ @ 15 min.	
	40 ppm @ 15 min.	
ethanediol (107-21-1)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	52 mg/m ³	
	20 ppm	
IOEL STEL	104 mg/m ³	
	40 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA	52 mg/m³	
	20 ppm	
OEL STEL	40 mg/m ³	
	104 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	25 mg/m ³	

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8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves. Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection.

Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Butyl rubber (IIR) /. Polyvinylchloride (PVC) /

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and o	hemical properties	
Physical state	: Liquid	
Colour	: Blue.	
Appearance	: Liquid.	
Odour	: mild. slight.	
Odour threshold	: Not available	
Melting point	: Not available	
Freezing point	: Not available	
Boiling point	: 197.4 °C	
Flammability	: Not available	
Lower explosion limit	: 3 vol %	
Upper explosion limit	: 28 vol %	
Flash point	: 111 °C	
Auto-ignition temperature	: 398 °C	
Decomposition temperature	: Not available	
рН	: Not available	
pH solution	: ≥0	
Viscosity, kinematic	: Not available	
Solubility	: In water, material soluble.	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: 0.1 hPa(a) @25°C	
Vapour pressure at 50°C	: Not available	
Density	: 1.12 g/cm ³ @20°C (ASTM D4052)	
Relative density	: Not available	
Relative vapour density at 20°C	: Not available	

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Particle characteristics	: Not applicable
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivi	ty .
10.1. Reactivity	
None under normal conditions.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reaction	IS
None under normal conditions.	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition produ	cts

None under normal conditions.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	mal) : Not classified	
WOLF COOLANT G11 GREEN -17°C		
ATE CLP (oral)	1432.665 mg/kg bodyweight	
ethanediol (107-21-1)		
LD50 oral rat	500 mg/kg	
LD50 dermal rat	10000 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
LC50 Inhalation - Rat	> 2.5 mg/l/4h @6h	
Skin corrosion/irritation Serious eye damage/irritation	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 	
Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 	
ethanediol (107-21-1)		
NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight	
NOAEL (chronic, oral, animal/female, 2 years)	1500 mg/kg bodyweight	
Reproductive toxicity STOT-single exposure	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) 	

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STOT-repeated exposure	: May cause damage to organs (kidneys) through prolonged or repeated exposure (on ingestion).	
ethanediol (107-21-1)		
NOAEL (oral, rat, 90 days)	220200 mg/kg bodyweight/day OECD 407	
NOAEL (dermal, rat/rabbit, 90 days)	2220 mg/kg bodyweight/day OECD 410	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)	
11.2. Information on other hazards		
Endocrine disrupting properties		
Adverse health effects caused by endocrine disrupting properties	: The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	
Other information		
Potential adverse human health effects and symptoms	: Ingestion may cause nausea, vomiting and diarrhea	

SECTION 12: Ecological information

SECTION 12: Ecological Information	
12.1. Toxicity	
(acute)	Not classified
(chronic)	
ethanediol (107-21-1)	
LC50 - Fish [1]	72860 mg/l @96h; Pimephales promelas (EPA 600/4-90/027)
EC50 - Crustacea [1]	> 100 mg/l @48h; Daphnia magna (OECD 202)
EC50 96h - Algae [1]	> 6500 – < 13000 mg/l (EPA 600/9-78-018)
NOEC chronic fish	15380 mg/l @7d; Pimephales promelas (EPA 600/4-89/001)
NOEC chronic crustacea	8590 mg/l Ceriodaphnia dubia (EPA 600/4-89/001)

12.2. Persistence and degradability

WOLF COOLANT G11 GREEN -17°C		
Persistence and degradability Prevent entry to sewers and public waters.		
Rapidly degradable		
0.47 g O ₂ /g substance		
1.29 g O ₂ /g substance		
90 %		

12.3. Bioaccumulative potential

ethanediol (107-21-1)	
Bioconcentration factor (BCF REACH)	10
Partition coefficient n-octanol/water (Log Pow)	-1.36

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12.4. Mobility in soil			
ethanediol (107-21-1)			
Surface tension	49890 N/m @25°C		
12.5. Results of PBT and vPvB assessment			
No additional information available			
12.6. Endocrine disrupting properties			
Adverse effects on the environment caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.		
12.7. Other adverse effects			
Additional information	: Presents no specific risk for the environment		
SECTION 13: Disposal considerations 13.1. Waste treatment methods			
Additional information	: Dispose in a safe manner in accordance with local/national regulations.		
SECTION 14: Transport information In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number			
UN-No. (ADR)	: Not applicable		
UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable 		
14.2. UN proper shipping name			
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable 		
14.3. Transport hazard class(es)			
ADR Transport hazard class(es) (ADR)	: Not applicable		
IMDG Transport hazard class(es) (IMDG)	: Not applicable		

22/10/2024 (Revision date) 22/10/2024 (Printing date) : Not applicable

: Not applicable

: Not applicable

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14.4. Packing group		
Packing group (ADR)	: Not applicable	
Packing group (IMDG)	: Not applicable	
Packing group (IATA)	: Not applicable	
Packing group (ADN)	Not applicable	
Packing group (RID)	: Not applicable	

Other information

: No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea Not applicable

Air transport

Not applicable

Inland waterway transport Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Regulation (EU) 2021/821 for the control of dual-use items

Contains no substance subject to the Regulation (EU) 2021/821 for the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

France

Occupational diseases		
Code	Description	
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide	
Germany		
Water hazard class (WGK) Hazardous Incident Ordinan	ice (12. BlmSchV)	 WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). Is not subject to the Hazardous Incident Ordinance (12. BImSchV)
Netherlands		
SZW-lijst van kankerverwek SZW-lijst van mutagene stol SZW-lijst van reprotoxische SZW-lijst van reprotoxische Vruchtbaarheid SZW-lijst van reprotoxische	ffen stoffen – Borstvoeding stoffen –	 None of the components are listed
Denmark		
Danish National Regulations	5	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product
Poland		
Polish National Regulations		 Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended). Act of 14 December 2012 on Waste (J. o L. 2013, item 322 as amended). The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended). Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. L. 2014, item 1923). Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2019, item 382). Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. of 3 July 2018, item 1286 as amended). The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. ot 616 September 2016, item 1488) Regulation of the Minister of Environment (J. o L. No. 33, item 166). Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141). ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023 item 891)

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information		
Indication of changes		
Section	Changed item	Comments
	Revision date	Modified
	Supersedes	Modified
1.1	UFI on SDS 1.1	Modified
2.2	Precautionary statements (CLP)	Modified
3	Composition/information on ingredients	Modified
9	Freezing point	Removed
9	Lower explosive limit (LEL)	Added
9	Upper explosive limit (UEL)	Added
9	Auto-ignition temperature	Added
9	Boiling point	Added
9	Flash point	Modified
9	рН	Removed
9	Vapour pressure	Modified
9	Density	Modified
9	Colour	Modified
11.1	ATE CLP (oral)	Modified

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

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.