

DYNAMAX GASOLINE WINTER ADDITIVE**Safety data sheet**

(Regulation 1907/2006/EC, amended by 2015/830/EU)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY /UNDERTAKING**1.1. Product identifier**

Material Name:	DYNAMAX GASOLINE WINTER ADDITIVE		
CAS:		EINECS:	
		ELINCS:	


1.2. Identified uses

Uses:	It is used as a prevention of water deposition in the fuel system of the gasoline motor vehicles.
--------------	---

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:	EURO-VAT spol. s r.o.		
IČO:	18049397		
Address:	Aleššince 231		
	951 22		
	Aleššince		
	Slovakia		
Phone/fax number:	+421 37 7822 326-7		
E-mail:	eurovat@eurovat.sk www.eurovat.sk		
Emergency phone number:	Národné toxikologické informačné centrum (NTIC) Klinika pracovného lekárstva a toxikológie, FNŠP akad. L.Dérera Limbova 5 833 05 Bratislava Tel. +421 2 5477 4166 ntic@ntic.sk www.ntic.sk		

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture	Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Hazard categories: Flammable liquid: Flam. Liq. 2 Eye irritation: Eye Irrit. 2 Specific target organ toxicity — single exposure of category 3: STOT SE 3
2.2 Label elements	Hazard pictograms (CLP/GHS) :  Signal word: danger H-phrases: H225 Highly flammable liquid and vapour H319 Causes serious eye irritation H336 May cause drowsiness or dizziness P-phrases: P102 Keep out of reach of children

DYNAMAX GASOLINE WINTER ADDITIVE

2.3 Other hazards	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking</p> <p>P233 Keep container tightly closed</p> <p>P262 Do not get in eyes, on skin, or on clothing</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P501 Dispose of contents/container to a hazardous waste in accordance with relevant legislation</p> <p>Contains: propan-2-ol</p> <p><u>Precautionary statements</u></p> <p>Prevention : Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</p> <p>Response : Get medical attention if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.</p> <p>Storage : Store in original container in a well ventilated area at temperatures up to 40 °C.</p> <p>Disposal : Not applicable.</p> <p>Supplemental label elements: Not applicable.</p> <p><u>Special packaging requirements</u></p> <p>Containers to be fitted with child-resistant fastenings: Applicable.</p> <p>Tactile warning of danger: Applicable.</p> <p>Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII: Not available.</p> <p>Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII: Not available.</p> <p>Other hazards which do not result in classification: Not available.</p>
-------------------	--

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product /ingredient name	CAS	EC	Symbols	Conc.	Registr. no REACH	GHS classification	
propan-2-ol	67-63-0	200-661-7	GHS02,07	20 - 40	01-2119457558-25-xxxx	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336

Full text of H and EUH phrases: see section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures	<p>Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.</p> <p>Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.</p> <p>Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.</p> <p>Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.</p>
4.2 Most important symptoms and effects, both acute and delayed	<p><u>Potential acute health effects</u></p> <p>Eye contact: There may be irritation and redness. The eyes may water profusely.</p> <p>Inhalation : There may be irritation of the throat with a feeling of tightness in</p>

DYNAMAX GASOLINE WINTER ADDITIVE

	<p>the chest.</p> <p>Skin contact : There may be irritation and redness at the site of contact.</p> <p>Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.</p>
4.3 Indication of any immediate medical attention and special treatment needed	<p>Notes to physician: No specific notes.</p> <p>Specific treatments: No specific treatment.</p>

SECTION 5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
5.2. Unsuitable extinguishing media	No data available.
5.3. Specific hazards	In combustion emits toxic fumes.
5.4. Protective equipment for firefighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
Additional advice	Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
6.2. Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3. Clean up methods	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7. HANDLING AND STORAGE

7.1. Handling	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
7.2 . Storage	Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters	Ventilation respectively. exhausting work areas. The work may not be readily combustible substances and other dangerous source of fire.
8.2 Exposure controls	Observe the usual precautions for health at work and in good ventilation. When using do not eat, drink or smoke.
8.2.1 Occupational exposure controls	<p>a) Respiratory protection: it is necessary only in case of exceeding the TWA (mask with organic vapor filter type A)</p> <p>b) Eye protection: safety glasses</p> <p>c) Protection of hands: protective gloves (EN 374)</p> <p>d) protection: clothing (impermeable overalls and closed safety boots)</p>
8.2.2. Environmental exposure controls	To prevent leakage of concentrated mixture into surface water drains or soil. Mixture stored in tightly sealed and labeled containers.

DYNAMAX GASOLINE WINTER ADDITIVE**8.3. TWA**

propan-2-ol:
average: 999 mg/m³
short: 1250 mg/m³

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Fysical state	liquid
Colour	colourless
Odour	characteristic
pH	not available
Flash point (ASTM-D92) [°C]	13
Boiling point [°C]	82 - 83
Freezing point [°C]	not available
Flammability	not available
Temperature of spontaneous combustion [°C]	425
Lower limit of explosion	2
Superior limit of explosion	12
Oxidising properties	not available
Vapour pressure [kPa]	42
Relative density [g.cm⁻³] typ.	0,784 – 0,789
Water solubility [g.l⁻¹]	insoluble
Solubility in solvents [g.l⁻¹]	most organic solvents
9.2 Other information	-

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport or storage conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid	Heat.
10.5 Incompatible materials	Strong oxidising agents. Strong acids.
10.6 Hazardous decomposition products	No known hazardous decomposition products.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity****Acute oral toxicity:**

propan-2-ol:
LD50 (rat) = 5 840 mg/kg

Acute dermal toxicity:

propan-2-ol:
LD50 (rabbit) = 12 857 mg/kg

Acute inhalation toxicity:

propan-2-ol:
LC50 (rat) > 10 000 mg/l /4h.

DYNAMAX GASOLINE WINTER ADDITIVE

	<p><u>Irritation/Corrosion</u> Conclusion/Summary : Causes eye irritation.</p> <p><u>Sensitisation</u> Conclusion/Summary : Not available.</p> <p><u>Mutagenicity</u> Conclusion/Summary : Not available.</p> <p><u>Carcinogenicity</u> Conclusion/Summary : Not available.</p> <p><u>Reproductive toxicity</u> Conclusion/Summary : Not available.</p> <p><u>Teratogenicity</u> Conclusion/Summary : Not available.</p> <p><u>Aspiration hazard</u> Not available.</p> <p>Information on the likely routes of exposure: Not available.</p> <p><u>Symptoms related to the physical, chemical and toxicological characteristics</u> Eye contact : No specific data. Inhalation : No specific data. Skin contact: No specific data Ingestion: No specific data.</p> <p><u>Delayed and immediate effects and also chronic effects from short and long term exposure</u></p> <p><u>Short term exposure</u> Potential immediate effects: Not available. Potential delayed effects : Not available.</p> <p><u>Long term exposure</u> Potential immediate effects: Not available. Potential delayed effects: Not available.</p> <p><u>Potential chronic health effects</u> Conclusion/Summary : Not available.</p> <p>Other information : Not available.</p>
--	---

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	<p><u>propan-2-ol:</u> LC50 (fish) > 100 mg/l / 96 h. LC50 (algae) > 100 mg/l / 72 h. EC50 (Daphnia magna) > 100 mg/l / 48 h.</p>
12.2 Persistence and degradability	Not biodegradable.
12.3 Bioaccumulative potential	The product has not been tested.

DYNAMAX GASOLINE WINTER ADDITIVE

--	--

12.4 Mobility	Readily absorbed into soil.
----------------------	-----------------------------

12.5 Results of PBT and vPvB assessment	PBT : Not available. vPvB : Not available.
--	---

12. 6 Other adverse effects	Toxic to aquatic organisms. Toxic to soil organisms.
------------------------------------	--

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Product

Methods of disposal: Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.).

Recovery operations: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Type of waste	Name of waste	Category of waste
07 07 04	Waste from organic chemical processes; Production waste, processing, distribution and use (VZDP) of the basic organic compounds; Other organic solvents, washing liquids and mother liquors	N


13.2 Packaging

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Type of waste	Name of waste	Category of waste
15 01 10	Packaging containing residues of hazardous substances or contaminated by dangerous substances	N

SECTION 14. TRANSPORT INFORMATION

ADR	UN: 1219 Classification code: F1 
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. ISOPROPYLALCOHOL (PROPAN-2-OL)
Transport hazard class	3
Packing group	II
Hazard No.	33

DYNAMAX GASOLINE WINTER ADDITIVE**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU**Annex XIV - List of substances subject to authorisation****Substances of very high concern**

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.**EU Regulation (EC) No 1272/2008 of the European Parliament and of the Council****Other EU regulations****Europe inventory :** All components are listed or exempted.**Black List Chemicals :** Not listed**Priority List Chemicals :** Not listed**Integrated pollution prevention and control list (IPPC) - Air:** Not listed**Integrated pollution prevention and control list (IPPC) - Water:** Not listed**International regulations****Chemical Weapons Convention List Schedule I Chemicals:** Not listed**Chemical Weapons Convention List Schedule II Chemicals:** Not listed**Chemical Weapons Convention List Schedule III Chemicals:** Not listed**15.2 Chemical Safety Assessment**

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16. OTHER INFORMATION**Reason for Revision:**

-

16.1 Text of H-phrases (point 3):

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

16.3 Other information:

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.