

**MATERIAL SAFETY  
DATA SHEET  
V1.1**

V1.1 Print date Oct 2022



NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

<b>IDENTITY:</b> NASHGUARD NG-OE (As shown on label or package)	<b>PART NO.</b> N/A  IF APPLICABLE
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**SECTION ONE: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING**

<b>MANUFACTURER'S NAME:</b> NASHGUARD LTD	<b>EMERGENCY PHONE No:</b> +44 (0)1362 685833
<b>ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)</b> Unit 5-8 Powley's Industrial Estate Bintree Road Foulsham NR20 5RL	<b>SHIPPING EMERGENCY No:</b> 1 800 4249300
	<b>REVISION</b> OCT 06 2022
	<b>MANUFACTURER'S PHONE No</b> <b>FOR INFORMATION:</b> +44 (0)1362 685833
	<b>DATE MSDS WAS PREPARED:</b> V1 JUNE 2008

**SECTION TWO- HAZARDOUS INGREDIENTS INFORMATION.**

<b>CLASSIFICATION OF SUBSTANCE OR MIXTURE</b>	<b>T1</b>
<b>Classification according to EU CLP12722008</b>	<b>FULL TEXT H-PHRASES AVAILABLE</b>
<b>Hazard classes/Hazard categories</b>	<b>Hazard statement</b>
Flam. Liq.2	H226
Asp. Tox-.1	H336
Flam. Liq. 3, H226 STOT SE 3, H336	H226 FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

**SECTION THREE: COMPOSITION/INFORMATION ON INGREDIENTS**

SUBSTANCE NAME	CAS#	EC#	%BY WEIGHT	CLASSIFICATION	T2
1-METHOXY-2-PROPANOL	107-98-2	265-192-2	- ≥1 - <3	H226 H336	

SEE T1 FOR FULL TEXT OF H statements above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern or have been assigned a workplace exposure limit and hence require reporting in this section.

**SECTION FOUR: FIRST AID MEASURES - SPRAYING AND HAND APPLICATION**

<b>GENERAL</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
<b>INHALATION</b>	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel
<b>SKIN CONTACT</b>	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners
<b>EYE CONTACT</b>	Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice
<b>INGESTION</b>	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting
<b>Most important symptoms and effects, both acute and delayed</b>	There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.  Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.  Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.  
 Ingestion may cause nausea, diarrhea and vomiting.  
 This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### SECTION FIVE: FIRE FIGHTING MEASURES

##### Extinguishing Media:

Suitable extinguishing media: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray

##### Special hazards arising from the substance or mixture:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

##### Advice For Fire fighters:

In any fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

With a full face-piece operated in positive pressure mode.

Cool containers at risk with water spray jet.

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses

#### SECTION SIX: ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedure:

Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist.

Refer to protective measures listed in sections 7 and 8.

##### Environmental Precautions:

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

##### Methods for contamination clean up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with a detergent.

Avoid using solvents.

##### Reference to other sections:

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information

#### SECTION SEVEN: HANDLING AND STORAGE

##### Precautions for safe handling:

**Protective Measures:** Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

##### Information on fire and explosion protection

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air

##### Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations.

**Notes on joint storage** Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.

Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

#### SECTION EIGHT: EXPOSURE CONTROL/PERSONAL PROTECTION

##### Control Parameters

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product.

Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases. T4

##### Occupational exposure limits:

Substance: 1-methoxy-2-propanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 560 mg/m <sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes. TWA: 375 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours
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If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy)

European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Additional I exposure Limits under the conditions of use: not available  
DNEL/DMEL and PENC-Values: Not available

##### Exposure Controls:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

##### Appropriate engineering Controls:

None required under normal condition. Use adequate ventilation to keep airborne concentrations low.

##### Individual protection measures, such as protective equipment:

###### Eye/face protection:

Chemical splash goggle, or approved eye protection.

###### Individual protection:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

###### Body Protection:

Flame retardant overalls/clothing.

Respiratory protection: Dependent on airborne concentrate, use a respirator with appropriate NIOSH approved cartridge filter if spraying no protection needed if non-spraying application.

###### Environmental exposure controls.

Gloves: For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact.

Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended gloves: Nitrile

Nitrile Breakthrough Time: 480 min When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended.

**SECTION NINE: PHYSICAL AND CHEMICAL PROPERTIES.**

Information on basic physical and chemical properties:

T5

Appearance:	Liquid
Colour:	Milk like colour
Odour:	No data available
Melting point range:	No data available
Boiling Point range:	100°C
Flash point (°C):	No data available
Evaporation rate:	No data available
Flammability solid, gas:	No data available
Ignition Temperature °C:	No data available
Upper/lower flammability/Exposure limits	No data available
Vapour pressure:	No data available
Vapour density:	Heavier than air
Density (25°C):	No data available
Viscosity	Kinematic (room temperature): 1.87 cm <sup>2</sup> /s
Water solubility (g/l):	Easily soluble in the following materials: cold water

Other Information:

no additional information

**SECTION TEN: STABILITY AND RELIABILITY**

Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability:

Stable under recommended storage and handling conditions (see Section 7)

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:

When exposed to high temperatures may produce hazardous decomposition Products.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incompatible Materials:

Keep away from the following materials to prevent strong exothermic reactions:  
oxidising agents, strong alkalis, strong acids.**SECTION ELEVEN: TOXICOLOGICAL INFORMATION**

Toxicokinetic, metabolism and distribution:

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Information on toxicological effects:

Acute toxicity:	Result	Species	Score	Exposure	Observation
1-methoxy-2-propanol	Eyes -Mild irritant	Rabbit	-	-	-
	Skin- Mild irritant	Rabbit	-	-	-

Conclusion/Summary : Not available.

Sensitisation

Conclusion/Summary : Not available

**SECTION TWELVE: ECOLOGICAL INFORMATION**

Toxicity:

Product/ingredient name	Category	Route of exposure	Target organs
1-methoxy-2-propanol	Category 3	Not applicable.	Narcotic effects

Persistence and degradability: No data available  
 Bio accumulative potential: No data available  
 Mobility in Soil: No data available  
 Results of PBT & vPvB Assessment: No data available  
 Other adverse effects: No data available

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

**12.1. Toxicity**

Mobility : Not available.

**12.3. Bioaccumulative potential**

Conclusion/Summary : Not available.

**12.2. Persistence and degradability**

Conclusion/Summary : Not available.

**12.4. Mobility in soil**

Soil/water partition

coefficient (KOC)

: Not available.

PBT : Not applicable.

P: Not available. B: Not available. T: Not available.

vPvB Not applicable.

vP: Not available. vB: Not available

**12.6. Other adverse effects** No known significant effects or critical hazards.

**SECTION THIRTEEN: DISPOSAL CONSIDERATIONS****Waste treatment methods:**

**Methods of disposal:** The generation of waste should be avoided or minimised wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste:** Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

**Disposal considerations:** Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information, contact your local waste authority.

**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.

**Disposal considerations:** Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

**Special precautions:** This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION FOURTEEN: TRANSPORT INFORMATION**

Special precautions for use:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage		
HI/Kemler number	Not available.	Not applicable.	
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not available.	Not available.	

**SECTION FIFTEEN: REGULATORY INFORMATION**

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

Other EU regulations

Annex XVII - Restrictions Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

:

Europe inventory: At least one component is not listed.

Priority List Chemicals (793/93/EEC)

: Listed

International regulations

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

Substances of very high concern

None of the components are listed, or the component present is below its threshold.

None of the components are listed.

VOC : Not available

Seveso Directive

This product is not controlled under the Seveso Directive

**SECTION SIXTEEN: OTHER INFORMATION****RELEVANT R PHRASES – FULL TEXT AND NUMBER**

H226	Flammable Liquid and vapour
H336	May cause drowsiness or dizziness
Full text:	FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

**LEGAL DISCLAIMER**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or contact with the above product – it is of your duty to ensure the SDS is the latest version available before handling the product.

END

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