

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: HydrophobNeo-W Water Repellent Agent

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

Use of the substance/mixture: Protection of wood, wood-chip boards, plywood, etc. from moisture penetration

**1.3. Details of the supplier of the safety data sheet**

LLC "Nautchno-proizvodstvennaya firma "NEO+"

ul. Marshala Zaharova 9, 49

198328, Saint Petersburg, Russian Federation

Phone, Fax-no.: 7-812-331-08-38

E-mail: info@hydrophobneo.com

**1.4. Emergency telephone number**

Phone: +420-224-919-293

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

The most important hazards : Due to isopropanol.

**GHS classification**

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

Moderate irritant to the mucous membranes of the eyes and upper respiratory tract.

**2.2. Label elements****GHS labelling**

Hazard pictograms (GHS):



GHS02



GHS07

Signal word (GHS):

Danger

Hazard statements (GHS):

H225 - Highly flammable liquid and vapour

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

Precautionary statements (GHS):

P102 - Keep out of reach of children

P103 - Read label before use

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking

P233 - Keep container tightly closed

P235 - Keep cool

P240 - Ground and bond container and receiving equipment

P241 - Use explosion-proof [electrical/ventilating/

lighting/...] equipment  
 P242 – Use non-sparking tools  
 P243 – Take action to prevent static discharges  
 P261 - Avoid breathing dust, mist, spray, vapours  
 P271 - Use only outdoors or in a well-ventilated area  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

Full text of H-phrases: see section 16

### 3.2. Mixture

Name	Product identifier	%	GHS classification
Isopropanol	(CAS No) 67-63-0	The rest	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Organopolysiloxane	Proprietary*)	< 40	Not a hazardous substance
Binding agent	Proprietary*)	< 2	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Dam. 1 H318

\*) If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation:

Move to fresh air in case of accidental inhalation of vapours as quickly as possible. Allow the person to rest. Consult a physician if necessary.

First-aid measures after skin contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact:

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if necessary.

First-aid measures after ingestion:

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Never give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: May cause moderate irritation to the mucous membranes of the eyes and upper respiratory tract. May cause drowsiness or dizziness.

#### 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: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Not determined.

#### 5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) can be released.

#### 5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus and full protective gear.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Shut off or remove all possible sources of ignition. Ventilate well, stop flow of vapour or liquid if possible.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb into inert absorbent material and place in sealed container for disposal.

#### 6.4. Reference to other sections

See Section 12: Ecological Information.

See Section 13: Disposal considerations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Technical measures : Ground the container and transfer equipment to eliminate static electric sparks. Provide adequate ventilation. Provide sufficient air exchange and/or exhaust in work rooms. Electrical installations / working materials must comply with the technological safety standards. Electrical equipment and lighting should be explosion-proof.

Advice on safe handling and usage : Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment.

Avoid inhalation, ingestion and contact with skin and eyes. Use approved respirator if air contamination is above acceptable level. Do not use contact lenses. Wash hands before work breaks and after finishing work.

### 7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.

Store in original tightly closed polyethylene containers at temperature below 30 C.

Keep away from heat, sparks and open flame. Store away from oxidising agents, bases and acids.

Evaporated isopropanol heavier than air and may spread along floors.

Do not store together with food or other consumables.

Do not lay the container on its side. Do not pierce or cut container. Not conduct welding on top or near the container.

No smoking.

### 7.3. Specific end uses

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation. Mechanical ventilation is recommended. Use engineering controls to reduce air contamination to permissible exposure level. Prevent build-up of vapours by opening all doors and windows to achieve cross-ventilation. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles



Hand protection:

Wear protective gloves: plastic or rubber, chemical resistant.

Eye protection :

Wear chemical splash goggle.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Wear appropriate mask.

Environmental exposure controls:

Avoid discharge to the environment.

Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Transparent colourless liquid
Colour	Colourless to pale yellow
Odour	Alcohol odor
Odour threshold	No data available
pH	Neutral
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Self ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density at 20 °C	0,870 – 0,910 g/cm <sup>3</sup> (7.26 - 7.59 lb/gal)
Solubility	Water: Completely miscible
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Under recommended storage conditions stable for 2 years

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Extremely high temperatures, flames and sparks. Prevent the buildup of electrostatic charge.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Carbon monoxide and dioxide may be released on combustion or on thermal decomposition (pyrolysis). Heating may cause the liberation of small amounts of hydrogen gas.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	Not classified
<b>Isopropanol (Isopropyl Alcohol, 2-Propanol) (67-63-0)</b>	
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (oral)	5045 mg/kg body weight
ATE US (dermal)	12870 mg/kg body weight
ATE US (vapors)	73 mg/l/4h
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Isopropanol (Isopropyl Alcohol, 2-Propanol) (67-63-0)

Ecology - general	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air	Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). Not included in the list of substances which may contribute to the greenhouse effect (IPCC).
Ecology - water	Ground water pollutant. Not harmful to fishes (LC50(96h) >1000 mg/l). Not harmful to invertebrates (Daphnia). Not harmful to algae (EC50 (72h) >1000 mg/l). Inhibition of activated sludge.

#### 12.2. Persistence and degradability

##### HydrophobNeo-W Water Repellent Agent

Persistence and degradability	Not established
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#### 12.3. Bioaccumulative potential

##### HydrophobNeo-W Water Repellent Agent

Bioaccumulative potential	Not established
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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations :

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials :

Avoid release to the environment.

### SECTION 14: Transport information

The most important hazards: Due to isopropanol (< 60%).

*Department of Transportation (DOT)*

#### Isopropanol (Isopropyl Alcohol, 2-Propanol) (67-63-0)

In accordance with DOT

Transport document description:

Contains isopropanol (UN1219 Isopropyl alcohol, 3, II)

Transport hazard class(es) (DOT):

3 - Class 3 – Flammable liquid 49 CFR §173.120

Packing group (DOT):

II - Medium Danger

Hazard labels (DOT):

3 - Flammable liquid



*Transportation of Dangerous Goods*

Transport document description:

Contains isopropanol (UN1219 ISOPROPANOL, 3, II)

TDG Primary Hazard Classes:

3 - Class 3 - Flammable Liquids

Packing group:

II - Medium Danger

*Transport by sea*

Transport document description (IMDG):

Contains isopropanol (UN 1219 Isopropyl alcohol, 3, II)

Class (IMDG):

3 - Flammable liquids

Packing group (IMDG):

II - substances presenting medium danger

*Air transport*

Transport document description (IATA):

Contains isopropanol (UN 1219 Isopropyl alcohol, 3, II)

Class (IATA):

3 - Flammable Liquids

Packing group (IATA):

II - Medium Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

#### Isopropanol (Isopropyl Alcohol, 2-Propanol) (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

SARA Section 311/312 Hazard Classes

Physical hazard - Flammable (gases, aerosols, liquids, or solids)

Health hazard - Serious eye damage or eye irritation

Health hazard - Specific target organ toxicity (single or repeated exposure)

**15.2. International regulations****CANADA**

No additional information available

**EU-Regulations**

No additional information available

**National regulations**

No additional information available

**15.3. US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

**SECTION 16: Other information**

Other information:	None
Full text of H-phrases: see section 16:	
Flam. Liq. 2	Flammable liquids, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

Issue Date: 11/01/2016

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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.