

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

1.1. Product identifier

Trade name: HydrophobNeo-S Water Repellent Agent

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

Use of the substance/mixture: Protection of all types of silicate building materials 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*) | 20 | Not a hazardous substance |
| Organosilicate | Proprietary*) | < 1 | Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H335 |
| *) 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 (CO₂) 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 |
| 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 | 0,815 – 0,840 g/cm ³ (6.80 - 7.01 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 |
| Isopropanol (Isopropyl Alcohol, 2-Propanol) (67-63-0) | |
| 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-S Water Repellent Agent

| | |
|-------------------------------|-----------------|
| Persistence and degradability | Not established |
|-------------------------------|-----------------|

12.3. Bioaccumulative potential

HydrophobNeo-S Water Repellent Agent

| | |
|---------------------------|-----------------|
| Bioaccumulative potential | Not established |
|---------------------------|-----------------|

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 (< 80%).

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

Revision Date:

2/19/2020

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.