LIQUID FLOATANT

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

Product Name: LIQUID Floatant

Product Description: Floatant for Dry Fly Fishing

Recommended Use: Fly Fishing
Manufacturer Name: High N Dry Fishing Products LLC
Manufacturer Address: 2672 Bunkhouse Place, Missoula, MT 59808
Manufacturer Phone: 1-724-467-2440
24 Hr. Emergency Number: Chemtrec 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Directive 67/548/EEC or 1999/45/EC as amended
Classification according to Regulation (EC) No 1272/2008 as amended

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified as a health hazard.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Not available.
Main symptoms	Not available.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Silicone Fluid **(**Polydimethylsiloxane), Silicon Dioxide
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	Not applicable.

2.3. Other hazards None

SECTION 3: Composition/information on ingredients

3.2. Mixtures
General information

Chemical name	%	CAS-No. / EC No.
Silicone Fluid (polydimethylsiloxane)	>90	63148-62-9 / 687-578-3
Silicon Dioxide	<10	7631-86-9 / 643-045-7

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation No First Aid should be needed

Skin contact Wash affected areas thoroughly with mild soap and water. May cause drying of the skin. Get medical attention if irritation develops or persists.

Eye contact Immediately flush with water

Ingestion No First aid should be needed. Not expected to be toxic by ingestion

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

Not available.

4.3. Indication of any immediate medical attention and special treatment needed

No notes to physicians.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing media CO_2, water, or dry chemical

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters Not available.

Special firefighting procedures If fire occurs treat as an electrical fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Minimize spread of material

For emergency responders Not available.

6.2. Environmental precautions Not available.

6.3. Methods and material for containment and cleaning up

Not available.

6.4. Reference to other sections Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of the reach of children. Avoid Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers.
Store at room temperature.

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits

Biological limit values No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures Not available.
Derived no-effect level (DNEL) Not available.
Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls
Appropriate engineering controls Not available

Individual protection measures, such as personal protective equipment
General information No personal respiratory protective equipment required under normal conditions of use.

- **Eye/face protection** Not available.
- **Skin protection**
  - **- Hand protection** Not available.
  - **- Other** Not available.
- **Respiratory protection** Not available.
- **Thermal hazards** Not available.
- **Hygiene measures** Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance Translucent Liquid

- **Physical state** Liquid
- **Form** Low viscosity Liquid
- **Color** Translucent.

Odor Odorless
Odor threshold Not available.
pH Not determined
Melting point/freezing point Not determined
Initial boiling point and boiling range
Not determined
Flash point Not determined
Evaporation rate Not determined
Flammability (solid, gas) Not determined
Upper/lower flammability or explosive limits

- **Flammability limit – lower (%)**
  Not determined
- **Flammability limit - upper (%)**
  Not available.

Vapor pressure Not determined
Relative density Not determined
Solubility(ies) Negligible in water.
Partition coefficient (n-octanol/water) Not determined
Auto-ignition temperature Not determined
Decomposition temperature Not determined
Viscosity Not determined
Explosive properties Not determined
Oxidizing properties No information available.
9.2. Other information

- **Percent volatile** 0 % estimated
- **Softening point** Not applicable
- **Specific gravity** <1

SECTION 10: Stability and reactivity

10.1. Reactivity Not available.
10.2. Chemical stability Stable under normal storage conditions.
10.3. Possibility of hazardous reactions Will not occur.
10.4. Conditions to avoid Not available.
10.5. Incompatible materials Strong oxidizers
10.6. Hazardous decomposition products Carbon oxides, Silicon Dioxide, Formaldehyde

SECTION 11: Toxicological information

General information No known applicable information

SECTION 12: Ecological information

12.1. Toxicity

Environmental Fate and Distribution Air: This product is a high molecular weight liquid polymer which has a very low vapor pressure (< 1, if discharged to water, it will initially form a surface film. AS the product is non volatile and has a high binding affinity for particulate matter, it will absorb to particulates and sediment out. Soil: If discharged to surface water, this product will bind to sediment. If discharged in effluent to a waste water treatment plant, the product is removed from the aqueous phase by binding to sewage sludge. If the sewage sludge is subsequently spread on soil the silicone product is expected to degrade. Degradation: This product, polydimethylsiloxane, degrades in soil abiotically to form smaller molecules. These in turn are either biodegraded in soil or volatilized into the air where they are broken down in the presence of sunlight. Under appropriate conditions, the ultimate degradation products are inorganic silica, carbon dioxide and water vapor. Due to the very low solubility of this product, standard OECD protocols for ready and inherent biodegradability are not suitable for measuring the biodegradability of this product. The product is removed >80% during the sewage treatment process. Environmental Effects SECTION IX: PHYSICAL & CHEMICAL PROPERTIES SECTION X: STABILITY AND REACTIVITY SECTION XI: TOXICOLOGICAL INFORMATION SECTION XII: ECOLOGICAL INFORMATION Toxicity to Water Organisms: Based on analogy to similar materials this product is expected to exhibit low toxicity to aquatic organisms. Toxicity to Soil Organisms: Experiments show that when sewage sludge containing polydimethylsiloxane is added to soil, it has no effect on soil micro-organisms, earthworms or subsequent crops grown in the soil. Bioaccumulation: This product is a liquid and is a high molecular weight polymer. Due to its physical size it is unable to pass through, or be absorbed by biological membranes. This has been confirmed by testing or analogy with similar products. Fate and Effects in Waste Water Treatment Plants This product or similar products has been shown to be non-toxic to sewage sludge bacteria. Ecotoxicity Classification Criteria Hazard Parameters (LC50 or EC 50) High Medium Low Acute Aquatic Toxicity (mg/L) <=1 >1 and <=100 >100 Acute Terrestrial Toxicity <=100 >100 and <=2000 >2000 This table is adapted from “Environmental Toxicology and Risk Assessment”, ASTM STP 1179, p.34, 1993. This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Residual waste Not available.
Contaminated packaging Not available.
EU waste code Not available.
Disposal methods/information
RCRA Hazard Class (40 CFR 261) When a decision is made to discard this material, as received, is it classified as a hazardous waste? No State or local laws may impose additional regulatory requirements regarding disposal. Call (989) 496-6315, if additional information is required.

SECTION 14: Transport information

14.1 UN Number: None
14.2 UN proper shipping name: None
14.3 Transport hazard class(es): None
14.4 Packing group: None
14.5 Environmental hazards: None
14.6 Special precautions for user: Not applicable
14.7 Transport in bulk to Annex II of MARPOL 73/78 and the IBC Code
Remarks: Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I
Not listed.
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II
Not listed.
Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.
Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry
Not listed.
Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.

Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization
Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and
mutagens at work
Not regulated.
Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding
Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Not regulated.

Directive 94/33/EC on the protection of young people at work

Not regulated.

Other regulations All chemical substances in this product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

National regulations Not available.

15.2. Chemical Safety Assessment Not available.

SECTION 16: Other information

References Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

Revision information Not available.

Training information Not available.

Disclaimer This Safety Data Sheet document is provided without charge to customers of High N Dry Fishing Products LLC. Data is the most current known to High N Dry Fishing Products LLC at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

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Manufacturer information

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Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds