

C1W NOFOAM S (MSDS)

Section 1 – Chemical Product and Company Identification

Product Name: C1W NOFOAM S
Chemical Name: Silicon Emulsion
Product Use: Defoamer in Oil and Drilling
Company Identification: C1 Water Industries LLC
 Plot No: 5330284, Saih Shuaib 4,
 Dubai Industrial City, Dubai, U.A.E.

Section 2 – Hazard Identification

Health Hazard Harmful if swallowed, May cause Eye damage with prolonged exposure
Physical Hazard No data available
Environmental Hazard No data available



Section 3 – Composition, Information on Ingredients

Component	Cas No.	Concentration
Polydimethyl Siloxane	63148-62-9	15 - 30 %
Water	7732-18-5	50 - 70%

Section 4 – First Aid Measures

Special Instructions:

In contact with Eye:

Immediately flush the contaminated eye with plenty of water for 15 minutes. Get medical attention if symptoms of pain, swelling, or tearing exist after flushing the eyes.

In contact with Skin:

Remove containment clothing. Immediately wash extremely thoroughly with warm water. Get medical attention if irritation develops or persists.

In case of Ingestion:

In case of ingestion consult a doctor whether a stomach washout is necessary.

In case of Inhalation:

Remove source of contamination or move victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial

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respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. Get immediate medical attention.

Notes to Physician

If burn is present, treat as any thermal burn, after decontamination. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. No specific antidote. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done.

Section 5 – Fire Fighting Measure

Flash Point: : > 100°C

Auto Ignition temperature: : > 310°C

General Information

As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Suitable Extinguishing Media

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective

Extinguish media, which shall not be used for safety reasons

Do not use direct water stream. May spread fire

Special exposure hazards in a fire

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Container may rupture from gas generation in a fire situation.

Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Special protective equipment for fire fighters:

Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Other instructions:

On leakage becomes slippery

Section 6 – Accidental Release Measures

Personal Precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

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Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

Methods for cleaning up

Stop leak if possible, without risk, remove Dike far ahead of larger spills for later disposal.

Absorb spillage with inert absorbent material like sand, scoop up and remove.

Cover and move the containers. Flush the area with water

Other instructions

Refer to Section 8 for personal protective equipment.

Section 7–Handling and Storage

Handling:

All employees who handle this material should be trained to handle it safely. Avoid inhalation of vapours /spray and avoid contact with eyes.

Storage:

Store in tightly closed original container in a cool, dry, well ventilated and humidity free places.

Store away from oxidizers, keep away from heat, sparks and open flames. Keep container closed when not in use.

Section 8 – Exposure Controls/Personal Protection

Exposure limit values:

Not applicable

Exposure controls:

Occupational exposure controls

Use in a well-ventilated area. Local exhaust ventilation should be used in areas without good cross

Respiratory protection

On exposure wear a NIOSH certified. European Standard EN 149 or equivalent respirator when using this product.

Hand protection

Protective gloves (Europe EN374, US F739)

Eye protection

Safety goggles (European standard - EN 166)

Skin protection

Normal clothes

General protective measures

Avoid contact with skin and eyes, do not inhale vapour.

Environmental exposure controls

Not any

Section 9 – Physical and Chemical Properties

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Appearance	: White Opaque Liquid
Odor	: Faint
Specific Gravity	: 0.97 - 1.02
Odor threshold	: No test data available
pH	: No test data available
Melting Point	: No test data available
Boiling Point	: > 100°C
Flash Point	: > 100°C
Evaporation Rate	: No test Data available
Upper / Lower Flammability	: No test Data available
Explosive Limits	: No test Data available
Auto-Ignition temperature	: > 310°C
Vapour Pressure	: No test Data available
Vapour Density	: No test Data available
Solubility / Miscibility in Water	: Miscible
Partition coefficient: n-octanol/water	: No data available

Section 10 – Stability and Reactivity

Reactivity	: Will not polymerize.
Chemical Stability	: Stable at typical use temperature
Conditions to avoid	: Do not distill to dryness. Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.
Materials to avoid	: Avoid contact with: Strong acids. Strong oxidizers.
Hazardous decomposition products	: Decomposition products depend upon temperature, air supply and the presence of other materials. Toxic gases are released during decomposition. Emits Carbon Dioxide and Carbon Monoxide fumes when heated to decomposition.

Section 11 – Toxicological Information

Acute Toxicity	
Inhalation	Harmful if inhaled. May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. The LC50 has not been determined.
Eye Contact	Causes serious eye damage.

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Skin Contact

Causes skin irritation. May be absorbed through the skin and contribute to the symptoms listed under ingestion. LD50. Rabbit. 3,540 mg/kg

Ingestion

Low toxicity if swallowed.

Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Swallowing may result in gastrointestinal irritation or ulceration.

LD50. Rat. 5,170 mg/kg

Chronic Effects/Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

Section 12 – Ecological Information

Ecotoxicity and aquatotoxicity

: Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

LC50 (Lepomis macrochirus (Bluegill sunfish)): 9850 mg/l

Exposure time: 96.0 h

LC50 (Gambusia affinis (Mosquito fish)): 6400 mg/l

Exposure time: 96.0 h

Biodegradability

: Bio degradable

Mobility

: Potential for mobility in soil is very high (Koc between 0 and 50)

Bioaccumulative potential

: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB)

Other adverse effects

: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Section 13 – Disposal Information

Disposal Method

Disposal should be made in accordance with federal, state, and local regulations.

Incineration recommended in approved incinerator according to federal, state, and local regulations. **Substance should not be deposited into a sewage facility.**

Contaminated Packaging

Follow all applicable national or local regulations. Contaminated packaging may be disposed of by rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

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Section 14 – Transport Information

IMDG/IMO	: Not regulated as a dangerous good
UN Number	: Not applicable
UN Proper Shipping Name	: Not applicable
Transport Hazard Class(es)	: Not applicable
Packing Group	: Not applicable
Environmental Hazards	: Not applicable
NZ 5433.1999	: Not regulated as a dangerous good
UN Number	: Not applicable
UN Proper Shipping Name	: Not applicable
Transport Hazard Class(es)	: Not applicable
Packing Group	: Not applicable
IATA/ICAO	: Not regulated as a dangerous good
UN Number	: Not applicable
UN Proper Shipping Name	: Not applicable
Transport Hazard Class(es)	: Not applicable
Packing Group	: Not applicable
Special Precautions for User	: Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not applicable

Section 15 – Regulatory Information

Other Label Information

OSHA Hazards

This product is a "Non Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

Legislation and regulations:

Dangerous Substance Directive 67/548/EEC. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No.895). Avfallsförordningen (2011:927).

Section 16 – Other Information

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Restrictions on use : Not available

Sources of key data : Literature

Note: This version is issued to comply with Regulation (EC) 1907/2006: REACH and (EU)No 453/2010.

GENERAL INFORMATION

HMIS HEALTH

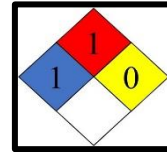
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HMIS Flammability

1

HMIS Physical Hazard

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Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information relates to the specific product designed and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness.

It is the users' responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

C1 Water Industries LLC, DUBAI reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules regulations. Such demonstration may require on-site inspection of any or all storage, processing. Packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may pertinent in the storage, application and disposal of this product.

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