

---

**Identification**  
**FN- CEMENT**

---

**Date of MSDS:** March 24, 2008

**Product Identification:** FN- CEMENT

**Company Name:** PERFLEX Ltd.

7 Giborey Israel St. Industrial Area Poleg  
Netanya 4250407, P.O.B 8123, Israel

**HMIS Rating:**

HEALTH: 1

FLAMMABILITY: 3

REACTIVITY: 0

**General Information Telephone: Emergency Telephone: Not required by regulations.**

---

**Composition/ Information on Ingredients**  
**FN- CEMENT**

---

General: Aqueous acrylic co-polymer emulsion, coalescence agents, surfactants and preservatives.  
Substances presenting health hazard within the meaning of the chemicals (Hazard Information and Packaging) Regulations 1993:

Hazardous Substance : None  
VOC (gr/lit) : < 250  
Ammonia content (w/w) : < 0.02%  
Symbols and Health Risk Phrases : None

---

**Hazard Identification**  
**FN- CEMENT**

---

Not hazardous according to Commission Directive 91/155/EEC.

---

**First Aid Measures**  
**FN- CEMENT**

---

**Skin contact** : Wipe off and wash with soap and water.  
**Eye contact** : Flush with water.  
**Inhalation** : Remove to fresh air.  
**Ingestion** : Treat symptomatically.  
**Other first aid information** : Not applicable.

---

**Fire Fighting Measures**  
**FN- CEMENT**

---

**Extinguishing media** : Carbon dioxide, foam, dry powder or fine water spray.  
**Unsuitable extinguishing media** : None known.  
**Unusual firefighting hazards** : None known.  
**Special firefighting procedures** : Self-contained respirator and protective clothing should be worn.  
**Combustion Products** : Traces of formaldehyde, Carbon dioxide and traces of incompletely burned carbon products.

---

---

**Accidental Release Measures**  
**FN- CEMENT**

---

<b>Personal precautions</b>	: Avoid eye contact. Avoid prolonged or repeated skin contact.
<b>Precautions to protect the environment</b>	: None established. Do not allow large quantities to enter drains.
<b>Cleanup procedures</b>	: Scrape up and place in a container fitted with a lid. Wear protective equipment.

---

**Handling and Storage**  
**FN- CEMENT**

---

<b>Handling precautions</b>	: General ventilation is recommended. Avoid eye contact. Avoid prolonged or repeated skin contact.
<b>Storage</b>	: Keep container tightly closed.
<b>Unsuitable packaging materials</b>	: None known
<b>Incompatibilities</b>	: None known
<b>Other information</b>	: None known

---

**Exposure Controls & Personal Protection**  
**FN- CEMENT**

---

<b>Exposure controls</b>	: Refer to section 7.
<b>Exposure controls for hazardous components</b>	: NA

**Personal protective equipment**

<b>Respiratory</b>	: An organic vapor mask should be worn if the product is used in large quantities, confined spaces or circumstances where the OEL/MEL may be approached or exceeded.
<b>Hand</b>	: Rubber or plastic gloves should be worn.
<b>Eye</b>	: Safety glasses should be worn.
<b>Skin</b>	: Additional protective equipment is not normally required.
<b>Industrial hygiene:</b>	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

<b>Other information</b>	: None known
--------------------------	--------------

---

**Physical Data**  
**FN- CEMENT**

---

<b>Appearance</b>	: Viscous liquid hardening by evaporation of water to a semi-flexible solid film.
<b>Color</b>	: Milky white.
<b>Specific Gravity</b>	: Min.: 1.0 - Max.: 1.1 (g/ml)
<b>pH</b>	: Min.: 8.0 - Max.: 10.0
<b>Viscosity</b>	: Min.: 200 - Max.: 1,000 (cps)
<b>Solubility in water</b>	: Miscible when uncured
<b>Flash point</b>	: NA (Water based)

---

---

**Stability and Reactivity**  
**FN- CEMENT**

---

<b>Stability</b>	: Stable
<b>Reactivity</b>	
Conditions to avoid	: None known
Materials to avoid	: Can react with oxidizing agents
Hazardous decomposition products	: None

---

**Toxicological Information**  
**FN- CEMENT**

---

**Possible health effects:**

Skin	: Not irritable
Eyes	: Slightly irritable
Inhalation	: No adverse effect is normally expected
Oral	: None known

This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

---

**Ecological information**  
**FN- CEMENT**

---

**Environmental Fate and Distribution**

Air	: Not applicable.
Water	: No specific information is available.
Terrestrial environment	: No specific information is available.

**Ecotoxicity**

Toxicity to Bacteria and effect on Effluent Treatment:

No test data or other information is available on effect on bacteria.

Toxicity to Aquatic Organisms : Not determined.

Fish LC50 (96hr) : Not determined.

Daphnia EC50 (48hr) : Not determined.

Algal IC50 (72hr) : Not determined.

Toxicity to Terrestrial Organisms : No specific information available.

Bioconcentration: No bioconcentration. This product is liquid and 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.

**Persistence and Degradation**

BOD : No specific information is available.

COD : No specific information is available.

Degradation : The product is a liquid and is a high molecular weight polymer, which is amenable to recycling. The product is poorly biodegradable.

---

---

**Disposal Considerations**  
**FN- CEMENT**

---

**Product disposal** : Can be land-filled in accordance with local regulations.  
**Packaging disposal** : Packaging should be disposed of in accordance with regional and/or national regulations.

---

**Transportation Information**  
**FN- CEMENT**

---

Road & Rail Transport (ADR/RID) : Not subject to ADR  
Sea Transport (IMO) : Not subject to IMDG code  
Air Transport (ICAO) : Not subject to ICAO regulations

---

**Regulatory Information**  
**FN- CEMENT**

---

**EEC Supply classification & labeling:**

Not subject to labeling in accordance with EEC directives.  
Handle in accordance with good industrial hygiene and safety practice.

**Other regulations**

German waste number : Not determined  
German water class : 2 - Water pollutant  
German Vbf : Not applicable  
Ozone depleting chemicals : No ozone depleting chemicals are present or used in manufacture.

EINECS/ELINCS : All ingredients listed or exempt.  
TSCA : Not determined  
MITI : Not determined  
DSL : Not determined  
AICS : Not determined

---

---

**Other Information**  
**FN- CEMENT**

---

This Material Safety Data Sheet (MSDS) has been compiled in accordance with Commission Directives 91/155/EEC, 67/548/EEC and 1999/45/EC and their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations.

It is the responsibility of person in recipe of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own Product SDS in compliance with Commission Directive 1999/45/EC.

The information and instructions provided in this MSDS are based on current state of scientific and technical knowledge at the date indicated on the present MSDS. Perflex LTD should not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

This MSDS has been prepared in compliance with applicable European law. If the product is used outside Europe, where compliance laws may differ, the customer should receive from the local supplier a MSDS applicable to the country in which the product is sold and intended to be used.

---

**NOTICE**

All information, recommendations and suggestions appearing herein concerning the product are based upon data obtained from the manufacturer and/ or recognized technical sources; however, PERFLEX LTD makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by PREFLEX LTD. As to the effects of such use, PERFLEX LTD does not assume any liability arising out of use by others of the products referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.

---