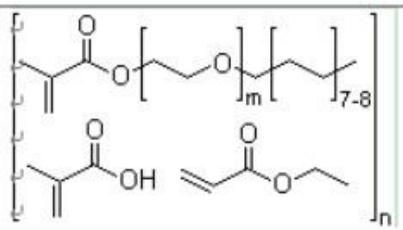
Basement Expert Ltd. 5 Greenway, Walkern, Hertfordshire, SG2 7NR. www.basementexpert.co.uk

COSHH / Material Safety Data Sheet

1. Identification of the substance/preparation and company.

MSDS Name: Polycarboxylate-based superplasticiser
Catalogue numbers: none
Product name: Triple Proof
Physical state: **Liquid**
Company Identification: Basement Expert Ltd
For information call: 07773 377087

2. Composition and information on ingredients.

CAS#	Chemical Name	%	Chemical molecular structure
70879-60-6	2-Propenoic acid,2-methyl-, polymers with Et acrylate and polyethylene glycol methacrylateC16-18-alkyl ethers	98	

Contains no substances presenting a health hazard
Hazard symbols: none

3. Hazards identification.

Emergency overview

Eye: Acute eye contact may cause eye irritation.
Skin: Might cause slight skin irritation.
Ingestion: May cause gastrointestinal disturbance with nausea, abdominal discomfort, pain and diarrhoea.
Inhalation: May cause coughing, sneezing, sore throat and breathing discomfort.
Chronic problems: none.

4. First-aid measures.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation continues.
Skin: Immediately wash skin with soap and plenty of water. Be particularly careful to clean folds, crevices and groin. Cover the skin with an emoolient (moisturiser). If irritation develops or persists seek medical attention.
Ingestion: Wash out mouth with water. Loosen clothing such as a collar or belt. If irritation develops or persists seek medical attention.
Inhalation: Remove from exposure to fresh air immediately. If irritation develops or persists seek medical attention.
Notes to physician: none.

5. Fire fighting measures.

General information.
Dust generated from this product during handling may create a fire and/or explosion hazard.
Minimise dust creation during use.

Keep all equipment clean and grounded to minimise static electricity discharge.
Extinguishing media: use the media most appropriate to extinguish the surrounding fire: water, dry chemical, carbon dioxide or appropriate foam.

6. Accidental release measures.

Personal precautions: See section 8.
Environmental precautions: Observe local by-laws.
Spills: Evacuate personnel to a safe area. Mop up and place in safe containers for use in concrete or dispose of according to local regulations. The most practical, safe way to dispose of highly contaminated product is to mix it with non-structural concrete during mixing. Lightly contaminated product that can be properly weighed can be used in structural and waterproof concrete mixes if the correct doses can be broadly maintained.
Avoid dust formation.
Avoid breathing dust.
Shut of the source of the spill only if it is safe to do so.
Do not let the product enter drains.

7. Handling and storage.

General information: None.
Handling: Use good industrial practice to handle with care, and avoid unnecessary personal contact.
Avoid physical damage to containers.
Do not eat, drink or smoke while handling the product.
Keep out of reach of children.
Storage: Store in a cool, dry, ventilated area away from incompatible substances. Do not store in direct sunlight. Cover/close partly emptied outer containers. Freezes below -10^{o}C. Keep out of reach of children.

8. Exposure controls and personal protection.

Engineering controls:
The liquid is contained within plastic bags designed to break up in concrete mixers. Keep the bags protected from any damage until they are added to a wet concrete mix. Bags are usually grouped together in a stronger paper outer bag designed to soften and break up in concrete mixers.
Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep any airborne concentrations low.
Personal protection equipment:
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate gloves and clothing suited to concreting.
Ingestion: Do not eat, drink or smoke while handling the product.
Inhalation: Respiratory protection not normally required.

9. Physical and chemical properties.

Physical state/appearance: liquid; colour: pale brown; odour: odourless.
PH: 9.0
Vapour pressure: no information.

Viscosity: no information.
Boiling point: no information.
Freezing/melting point: no information.
Autoignition: no information.
Flash point: no information.
Explosive properties: no information.
Decomposition temperature: no information.
Solubility in water: Soluble.
Specific gravity/density: no information.
Molecular formula: no information.
Molecular weight: no information.

10. Stability and reactivity.

Chemical stability: Stable under normal temperatures and pressure.
Conditions to avoid: Incompatible materials. Dust generation. Exposure to direct sunlight. Freezing.
Incompatibilities with other material: Strong oxidising agents. Strong bases.
Hazardous decomposition products: Nature of decomposition products not known.
Hazardous polymerisation: Will not occur.

11. Toxicological information.

RTECS#: CAS# 7732-18-5: ZC110000
LD50/LC50: no information.
Sensitisation: no information.

12. Ecological information.

No information.

13. Disposal considerations.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult national and local hazardous waste regulations to ensure complete and accurate classification. Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging should be subjected to waste management schemes (recover, recycle, re-use) according to local legislation.

However there is no need for any possibly hazardous waste to be produced. Cardboard outer and polythene-type middle packaging should remain clean. Inner packaging and product are safely transformed in concrete. Any unclean waste may be added to concrete, where it will become completely safe as the concrete cures, as described in section 6.

14. Transport information.

IATA: not regulated
IMDG: not regulated
RID/ADR: not regulated

15. Regulatory information.

Regulatory information: Refer to local, national, EU and other international regulations.

Hazard symbols: no information available.
Risk Phrases: no information available.
Safety phrases:
S22 Do not breathe dust.
S24/25 Avoid contact with eyes and skin.

16. Additional information.

MSDS creation date: 17 September 2013

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. The information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Other information sources:
ACGIH (American Conference of Government Industrial Hygenists);
CAS (Chemical Abstracts Service);
DSL (the Domestic Substances List of Canada);
EC (European Commission);
IARC (International Agency for Research on Cancer);
IATA (International Air Transport Association);
IMDG (International Maritime Dangerous Goods);
ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road);
RID (Regulations Concerning the International Carriage of Dangerous Goods by Rail);
LD50 (Lethal Dose, 50% kill);
NDSL (Non Domestic Substances List of Canada);
NIOSH (US National Institute for Occupational Safety and Health);
NTP (US National Toxicology Program);
OSHA (US Occupational Safety and Health);
RETCS (Registry of Toxic Effects of Chemical Substances);
TDG ((recommendations on the Transport of Dangerous Goods model regulations);
TSCA (Toxic Substances Control Act of USA).

Reported By:

Company name: Basement Expert Ltd
Date: 17 September 2013.

Authorised person: Phillip Sacre, Director.