

MATERIAL SAFETY DATA SHEET

In compliance with EC norm 155/91 and M.D. nr. 46 of 28.01.1992

1.) PRODUCT & COMPANY IDENTIFICATION :

Trade Name :	DeCAL 1032
Chemical Family :	Acrylic copolymer
Product Description :	Acrylic copolymer emulsion in aqueous media.
Company Data :	Devine Chemical Ltd. Prospect Business Park, Leadgate, Consett, Durham. DH8 7PW Tel : 01207 580101 Fax : 01207 580096

2.) COMPOSITION AND INFORMATION ON INGREDIENTS :

Composition :	Acrylic copolymer emulsion in aqueous media.
Chemical characteristics :	No hazardous impurities.

3.) IDENTIFICATION OF DANGERS :

Main risks for man :	May cause minor skin irritation, slight irritation to the eyes.
Main Risks for the environment :	Avoid discharge to watercourses and drainage channels.

4.) FIRST-AID MEASURES :

Ingestion :	Do not make the casualty vomit. If unconscious do not give anything by mouth. Check for breathing and pulse, if present, place in the recovery position and obtain medical attention. If conscious rinse out mouth with water. Give 1 pint of water to drink immediately and repeated drinks of water at a rate of a cupful (1/3 pint) every 10 minutes. Obtain medical attention immediately.
Inhalation :	If mists or sprays are inhaled, remove the casualty to fresh air and clear any blocked airways. Keep the casualty at rest and seek medical advice.
Contact with the skin :	Remove all contaminated clothing and shoes immediately under drench shower. Remain under shower for a minimum of 10 – 20 minutes. If irritation occurs seek medical advice.
Contact with the eyes :	Irrigate the eyes with water for 15mins. If there is any irritation obtain medical attention immediately.

5.) FIRE PREVENTION MEASURES :

Suitable extinguishing means :	Foam, dry powder, carbon dioxide (CO ₂), water spray.
Recommended equipment :	Aqueous liquid. Wear appropriate personnel protective equipment in event of fire.

6.) MEASURES IN THE CASE OF ACCIDENTAL LEAKAGE :

Precautions for the individual :	Gloves, goggles, lightweight protective clothing.
Precautions for the environment :	Prevent from spreading to the environment. Do not flush to sewer or watercourses.
Cleaning methods :	Vacuum bulk liquid and dispose of according to local regulations. Wash remaining material with plenty of water.

7.) HANDLING & STORAGE :

Handling :	Does not require specific technical measures. Observe general health & safety rules.
Storage :	Store above 5°C and below 40°C avoid temperature below 0°C.
Requirements of storehouses and containers :	Use coated steel, stainless steel, plastic materials (such as polyethylene)
Additional indications :	Avoid steel (uncoated) and aluminium and its alloys.

8.) EXPOSURE- CONTROL METHODS :

Components:	Observe and comply with local health & safety regulations.
Hand protection:	PVC / Oil resistant gloves are recommended.
Eye protection:	Safety goggles
Skin & body protection:	Appropriate lightweight protective clothing.

9.) PHYSICAL & CHEMICAL PROPERTIES :

9.1 Physical State :	Liquid, aqueous emulsion.
9.2 Odour :	Slight.
9.3 Boiling point at 1 atm:	100°C
9.5 pH as supplied	3
9.7 Flash point:	>100°C
9.11 Relative density :	1.06g/cm ³
9.12 Vapour pressure :	18mm Hg @ 25°C
9.13 Solubility :	Soluble in water at >pH 7.0, very slight solvent solubility.

10.) STABILITY & REACTIVITY :

Stability :	Stable if appropriately used.
Conditions to avoid :	None to our knowledge.
Materials to avoid:	Avoid contact with strong bases (exothermic reaction).
Hazardous decomposition products :	None to our knowledge.

11.) INFORMATION ON TOXICITY :

Primary irritation (skin and eyes):	Slightly irritant by ocular and cutaneous application on rabbit.
Toxicity:	DL50 (ORALWAY, RAT) >2000mg/kg

12.) INFORMATION ON ECOLOGY :

Primary biodegradability :	Poorly biodegradable.
Toxicity in water :	CL50 96hr > 100mg/l, CE50 48hr > 100mg/l, Cl50 72hr > 100mg/l



13.) CONSIDERATIONS ON DISPOSAL :

Method regarded as most suitable :	Burn at an approved plant.
Product residue :	Do not dispose to sewer.
Container cleaning and conditioning :	Empty thoroughly and clean with water.

14.) INFORMATION ON TRANSPORTATION :

Road/Railroad transportation ADR/RID :	Not regulated
Sea carriage IMDG :	Not regulated
Air transportation ICAO-TI and IATA-DGR:	Not regulated

15.) INFORMATION ON LABELLING :

Symbol :	Nil
Risk words :	Nil
Safety phrases :	Nil.

16.) ADDITIONAL INFORMATION :

Recommended use :	Recommended use is as an alkali swellable rheology modifier.
Further information :	

Legend : N.A. = Datum Not Available.

Message for the user : the information and data contained in this card are based on the suppliers knowledge at the time of the last updating ; they are given solely for information purposes and do not amount to a guarantee ; no legal responsibility or liability will be accepted.

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