

SAFETY DATA SHEET

1. Identification of the Substance/mixture and of the Supplier Company	
1.1 Product identifier:	D-FLOC 5000 Series
1.2 Relevant identified uses of the substance or mixture and uses advised against:	Anionic flocculant for Mineral Slurries No other uses are advised
Details of the supplier of the safety data sheet:	DG Chemicals Ltd. Pitcliffe Way Industrial Estate Upper Castle Street Bradford West Yorkshire BD5 7SG 01274 732883 Isabel.wade@dgchemical.co.uk
Emergency Telephone No:	01274 732883
2. Hazards Identification	
2.1 Classification of the substance or mixture:	According to Regulation (EC) 1272/2008 (CLP): Not classified
2.2 Label elements:	Labelling Regulation (EC) 1272/2008 (CLP):
Precautionary Statements:	P264: Wash hands, forearms and face thoroughly after handling. Wear goggles, gloves, clothing and respiratory protection. P270: Do not eat, drink or smoke when using this product. Dispose of in accordance with relevant local regulations. Spill area may be slippery.
2.3 Other hazards:	No available additional information
3. Composition/Information on Ingredients	
3.2 Mixtures:	Anionic polyacrylamide (This does not contain any substances mentioned according to criteria of section 3.2 of REACH Annex II)
4. First Aid Measures	
4.1 Description of first aid measures:	Show this Safety data sheet to the doctor in attendance.
Ingestion:	Seek medical advice. Do not induce vomiting.
Skin Contact:	Wash affected area with plenty of water. Wash contaminated clothing before reuse.
Eye Contact:	Rinse immediately with plenty of water. Seek medical attention if painful, blinking or redness persists.
Inhalation:	If breathing becomes difficult, remove person to fresh air and rest them in a comfortable position for breathing. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:	No additional information available
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically
5. Fire Fighting Measures	
5.1 Extinguishing media: Suitable extinguishing media	Dry powder, dry chemical powder, foam
Unsuitable extinguishing media	None known.
5.2 Special hazards arising from the substance or mixture:	Explosion hazard - dust may form explosive mixture in air. Hazardous decomposition products in case of fire - toxic fumes may be released.
5.3 Advice for fire-fighters:	Do not enter 'fire area', without wearing proper protective clothing and equipment, including respiratory protection.
Additional Provisions:	Spill area may be slippery.
6. Accidental Release Measures	
6.1 Personal precautions, protective equipment and emergency procedures:	Where product is spilled, this area may be slippery.
6.2 Environmental Precautions:	Release into the environment must be avoided. Prevent product from entering sewers and public water courses.
6.3 Methods and Material for Containment and Cleaning Up:	Contain and/or absorb spillage with inert material (sand), then place contents in suitable container. Do not discharge into drains or the environment. Wash down remains with plenty of water – this may cause spill area to become slippery. Dispose of material or solid residues at an authorised site.
6.4 Reference to other sections:	No additional information available.
7. Handling and Storage	
7.1 Precautions for safe handling:	Wear recommended personal protective equipment. Do not eat, drink or smoke when handling this product. Always wash hands after handling the product. Wash any contaminated clothing before reuse. Beware if product spilled, may cause floor to become slippery.
7.2 Conditions for safe storage, including any incompatibilities:	Store in a dry place and protect from moisture and sunlight. Also store in a well ventilated, cool area.
7.3 Specific end use(s):	No additional information available.

8. Exposure controls/Personal Protection	
8.1 Control Parameters:	No information available
8.2 Exposure controls:	
Appropriate engineering controls:	Provide adequate ventilation to minimise dust
Individual protection measures, such as personal protective equipment:	
Hand protection:	Wear chemically resistant protective gloves
Eye/face protection:	Wear safety glasses
Skin protection:	Wear suitable protective clothing
Body Protection:	Wear suitable protective clothing
Respiratory Protection:	Wear a dust mask or approved organic vapour respirator
Environmental exposure controls:	No data available
9. Physical and Chemical Properties	
9.1 Information on basic physical and chemical properties	
Appearance:	White to off-white, powder
Odour:	Odourless
Odour threshold:	Not determined
pH:	~ 7 (1% solution)
Melting point:	Product decomposes, therefore not determined
Freezing point:	Not applicable
Boiling point and boiling range:	Not applicable
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	No data available
Vapour Pressure:	No data available
Vapour Density:	No data available
Density:	Approximately 750 kg/m ³
Relative Density:	No data available
Bulk Density:	Approximately 0.75
Solubility(ies):	Forms a viscous solution in water
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	No data available
Decomposition Temp:	No data available
Kinematic Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
9.2 Other information:	No data available

10. Stability and Reactivity			
10.1 Reactivity:		Not reactive under normal conditions of use, storage and transport.	
10.2 Chemical stability:		Stable under normal conditions.	
10.3 Possibility of hazardous reactions:		None known under normal conditions of use.	
10.4 Conditions to avoid:		Avoid contact with water.	
10.5 Incompatible materials:		Strong bases, strong acids and strong oxidising agents.	
10.6 Hazardous decomposition products:		Thermal decomposition can produce carbon, nitrogen and sulphur oxides.	
11. Toxicological Information			
11.1 Information on toxicological effects:			
Acute toxicity:		Not classified	
Skin corrosion/irritation:		Not classified	
Serious eye damage/irritation:		Not classified	
Respiratory or skin sensitisation:		Not classified	
Germ cell mutagenicity:		Not classified	
Carcinogenicity:		Not classified	
Reproductive toxicity:		Not classified	
STOT- single exposure:		Not classified	
STOT- repeated exposure		Not classified	
Aspiration hazard:		Not classified	
12. Ecological Information			
12.1 Toxicity:			
Ecology – general:		Not considered harmful to aquatic organisms or to cause long term adverse effects in the environment	
Hazardous to the aquatic environment, short term (acute):		Not classified	
Hazardous to the aquatic environment, long term (chronic):		Not classified	
	Test	Genus	Result
	LC50 (static)	Oncorhynchus mykiss	> 100 mg/l
	LC50	Oncorhynchus mykiss	3,500 ppm
	EC50	Daphnia magna	≤ 212 mg/l
	EC50 72h algae	Chlorella vulgaris	≤ 1,000 mg/l
12.2 Persistence & degradability:		No test data available	
12.3 Bioaccumulative potential:		Not applicable	
12.4 Mobility in soil:		No information available	
12.5 Results of PBT & vPvB assessment:		No information available	
12.6 Other adverse effects:		No information available	

13. Disposal Considerations	
13.1 Waste treatment methods:	
Waste treatment method:	Dispose of in accordance with relevant local regulations.
14. Transport Information	
14.1 UN number:	ADR, IMDG, IATA – all not regulated
14.2 UN proper shipping name:	ADR, IMDG, IATA – all not regulated
14.3 Transport hazard class(es):	ADR, IMDG, IATA – all not regulated
14.4 Packing group:	ADR, IMDG, IATA – all not regulated
14.5 Environmental hazards:	Not dangerous for the environment, nor a marine pollutant
14.6 Special precautions for user:	Overland transport, Transport by sea and Air transport - all not regulated
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:	Not applicable
15. Regulatory Information	
15.1 Safety, health & environmental regulations/legislation specific for the substance or mixture:	
EU Regulations: Contains no substance: <ul style="list-style-type: none"> - On the REACH candidate list - Subject to Regulation (EU) No. 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals - Subject to Regulation (EU) No. 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants 	
15.2 Chemical safety assessment:	Substance classified as not hazardous according to regulation (EC) 1272/2008 [CLP]
16. Other Information	
Abbreviations:	ADR - The European Agreement concerning the International Carriage of Dangerous Goods by Road CAS – Chemical Abstract Service CLP - Classification, Labelling and Packaging EC – European Community EC50 – Effective concentration median for 50% of the population IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods Code ISO - International Organization for Standardisation LC50 – Lethal concentration median for 50% of the population LD50 – Lethal dose median for 50% of the population PBT – Bioaccumulative and toxic vPvB - very persistent and very bioaccumulative REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals STOT - Specific target organ toxicity
Reason for Issue	Updated version

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