SAFETY DATA SHEET

Dryden Aqua

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Date of issue: 24 November 2022
Version: V1.0

AFM NG - AFM S DGS & Vitrofill

SECTION 1: IDENTIFICATION

Product identifier

Product Name	AFM NG - AFM S DGS & Vitrofill

Other Means of Identification

Product code	10000 - 12644
Product type	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Primary use– granular glass filter media. Secondary use – blast material and additive to paint.
Uses Advised Against	Anything other than the above.

Details of the supplier of the safety data sheet

Supplier	Dryden Aqua Ltd Butlerfield Industrial Estate, Bonnyrigg, Edinburgh EH19 3JQ, United Kingdom
Telephone	+44 (0) 18758 22222
Fax	+44 (0) 18758 22229
E-Mail (competent person)	agnieszka@drydenaqua.com (Agnieszka Szewczyk)

Emergency telephone number

Emergency Phone No.	+44 (0) 1978 528459	24 hour CHEMTREC
Languages spoken	English	

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200

Physical hazards	Not classified as hazardous for supply/use.
Health hazards	Not classified as hazardous for supply/use.
Environmental hazards	Not classified as hazardous for supply/use.

Label elements

Hazard Pictogram(s)	None assigned
Signal Word(s)	None assigned
Hazard Statement(s)	None assigned
Precautionary Statement(s)	None assigned

Other hazards None known

Percent of the mixture consists of ingredient(s) of unknown acute toxicity:
0% of the mixture consists of ingredients of unknown acute inhalated toxicity.
0% of the mixture consists of ingredients of unknown acute oral toxicity.
0% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Not applicable

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Mixtures Substances in preparations / mixtures

Not hazardous according to OSHA HCS (29 CFR 1910.1200). No component of this mixture is included above the relevant concentration levels detailed within section 3.2.1 of SDS regulation 2020/878.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Self-protection of the first aider	Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin and eyes.
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact	IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Get medical attention.
Most important symptoms and effects, both acute and delayed	None Known.
Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials
Unsuitable extinguishing Media	Do not use water jet. Direct water jet may spread the fire.
Special hazards arising from the substance or mixture	No fire hazard.
Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. and Chemical protection suit. Keep containers cool by spraying with water if exposed to fire. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin and eyes.
Methods and material for containment and cleaning up	Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Ensure adequate ventilation. Avoid breathing dust. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

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Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Keep cool. Protect from sunlight.
Storage temperature	Stable under normal conditions
Incompatible materials	None Known

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	Not established.
Biological exposure indicies	Not established.
Appropriate engineering controls	Ensure adequate ventilation Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.
Individual protection measures, such as personal protective equipment (PPE)	Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/face protection

Use eye protection according to EN 166, designed to protect against liquid splashes.

Skin protection

Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.

Respiratory protection

Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Granular glass material, predominantly green / brown
Odour	Not applicable
Odour threshold	Not applicable
pH	Not applicable
Melting Point/Freezing Point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	2.4 – 2.52 kg/L
Solubility(ies)	Not applicable
Partition coefficient: n-octanol/water	Not applicable

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Auto-ignition temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

Other information

Density (g/cm³)	Not applicable
Percent Volatile (%):	Not applicable
Specific Gravity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to avoid	Heat and direct sunlight
Incompatible materials	None Known.
Hazardous decomposition product(s)	None Known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
Acute toxicity - Skin Contact	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 2,000 mg/kg.
Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >20 mg/L (air) (Vapour)
Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitization	Mixture: Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
STOT - single exposure	Mixture: Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.

Information on likely routes of exposure

Inhalation	Possible – accidental exposure
Ingestion	Possible – accidental exposure
Skin Contact	Possible – accidental exposure
Eye Contact	Possible – accidental exposure

Early onset symptoms related to exposure None Known

Delayed health effects from exposure None anticipated

Exposure levels and health effects See Section: 8

Interactive effects None Known

Other information

OSHA Designated Carcinogen	All chemicals are not listed
NIOSH Occupational Carcinogen List	All chemicals are not listed

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NTP Report on Carcinogens	All chemicals are not listed
IARC Monographs	All chemicals are not listed

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50(Fish) (Mixture): > 1000 mg/l. Estimated NOEC (Invertebrates) (Mixture): > 1000 mg/l
Persistence and degradability	The product contains inorganic compounds which are not biodegradable.
Bioaccumulative potential	No information available.
Mobility in soil	The product has low mobility in soil.
Other adverse effects	None

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
UN number	None assigned	None assigned	None assigned
UN proper shipping name	None assigned	None assigned	None assigned
Transport hazard class(es)	None assigned	None assigned	None assigned
Packing group	None assigned	None assigned	None assigned
Environmental hazards	Not classified	Not classified	Not classified
Special precautions for user	See Section: 2		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable		
Additional Information	None		

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal Regulations

TSCA Chemical Data Reporting (CDR) Rule	Glass, oxide, chemicals; Restricted (subject to 25,000 lb reporting threshold)
NIOSH Occupational Carcinogen List	Not restricted
EPCRA Section 313	Not restricted
CWA 307- Toxic	Not restricted
CERCLA - Hazardous Substances	Not restricted
CWA Section 311 List of Hazardous Substances	Not restricted

US State Regulations

Proposition 65 (California)	All chemicals are not listed
California State - Hazardous substances information and training Act	All chemicals are not listed
Massachusetts, New Jersey, Pennsylvania, Rhode Island- State Right to Know Lists	All chemicals are not listed
New York -State Right to Know Lists	All chemicals are not listed
Minnesota - State Right to Know Lists	All chemicals are not listed
Massachusetts – Toxic Use reduction act	All chemicals are not listed

Non-Regional

IARC Monographs	All chemicals are not listed

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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

Version	V1.0
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This Safety Data Sheet was prepared in accordance with US Regulation OSHA HCS (29 CFR 1910.1200)

References:
Existing ECHA registration(s) for Glass, oxide, chemicals (CAS No.; 65997-17-3)

LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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