SAFETY DATA SHEET

ALGINEX

<u>1</u> IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Identification of the Substance: Auxiliary finings

Synonyms:

ALGX

Company Identification: MURPHY & SON LTD. ALPINE STREET OLD BASFORD NOTTINGHAM NG6 0HQ ENGLAND TEL: +44 (0)115 978 5494 FAX: +44 (0)115 942 4431 Emergency Contact TEL: +44 (0)1332 830736

2 <u>COMPOSITION/INFORMATION ON SUBSTANCE</u>

Chemical Composition:Food grade gum acacia and sodium metabisulphite (E223) in aqueous solutionCAS No.:7446 - 09 - 5 (sulphur dioxide)Classification:IrritantRisk Phrases:R31 - Contact with acids liberates toxic gas
R36/37/38 - Irritating to eyes, respiratory system and skin

<u>3 HAZARD IDENTIFICATION</u> IRRITANT

Contact with eyes or skin, or inhalation of fumes may cause irritation.

Eye contact:	Causes irritation
Skin contact:	May cause irritation
Inhalation:	Causes irritation due to sulphur dioxide content
Ingestion:	Harmful if swallowed in quantity
Other Information:	Symptoms of exposure may include coughing, wheezing, headache, nausea and vomiting

4 FIRST AID MEASURES

Eye contact:Flush eyes with copious quantities of water for at least 15 minutes. OBTAIN MEDICAL ATTENTIONSkin contact:Wash affected area with copious quantities of water for at least 15 minutes. Remove all contaminated clothing and
wash before re-use. OBTAIN MEDICAL ATTENTION if irritation persistsInhalation:Remove from exposure. In severe cases OBTAIN MEDICAL ATTENTIONIngestion:Wash out mouth with water. In severe cases OBTAIN MEDICAL ATTENTION

5 FIRE FIGHTING MEASURES

This product is a non-flammable liquid

Suitable Extinguishing Media:	Water, dry chemical or carbon dioxide, dependent upon surrounding fire conditions
Unsuitable Extinguishing Media:	None
Special Exposure Hazards:	None
Special Protective Equipment:	Wear gloves, goggles, rubber boots and overalls if contact with the product is possible

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:Wear full protective clothing - overalls, goggles, gloves, and bootsEnvironmental Precautions:Prevent spillages from entering drains, streams, watercourses etc. If unavoidable warn the
local Water Authority immediatelyMethods for Cleaning Up:Contain large spillages in sand or earth and shovel into marked container for safe disposal.
After material pick-up is complete wash affected area well with plenty of water. Minor
spillages may be washed to drain with plenty of water

7 HANDLING & STORAGE

Handling Precautions:Wear appropriate safety equipment - goggles, gloves, boots and overallsStorage:Store in tightly sealed containers in a cool, dry place away from acids and oxidising agents

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Short Term Exposure Limit (15 mins): Time Weighted Average (8 hrs):	13 mg/m ³ for SO ₂ 5 mg/m ³ for SO ₂
Personal Protection: Respiratory Protection: mask	Use in a well ventilated area. If used in a	confined space use an appropriate fume excluding
Hand Protection:	Wear rubber or PVC gloves with gauntl	ets
Eye Protection:	Wear chemical safety goggles	
Skin Protection:	Wear protective clothing with rubber bo	pots
Other Protective Measures:	An eyewash station should be nearby	

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance: Odour: pH: Boiling Point: Freezing Point: Flash Point: Flash Point: Flammability: Autoflammability: Explosive Properties: Oxidising Properties: Vapour Pressure: Relative Density: Solubility: Brown viscous solution Characteristic pungent odour 3 - 5 Not applicable Not applicable Not applicable Non Flammable Not applicable None None Not applicable Typically 1.300 Miscible with water in all proportions

<u>10</u> STABILITY & REACTIVITY

Stability: Conditions to Avoid: Materials to Avoid: Hazardous Decomposition Products:

Stable at ambient temperatures Heaters and direct sunlight Avoid contact with acids and oxidising agents May evolve fumes of SO_x under certain conditions

<u>11</u> TOXICOLOGICAL INFORMATION

Toxicological Data:	Acute, local, due to decomposition to sulphur dioxide	
Effects of exposure:		
Eye contact:	Corrosive to eye tissue	
Skin contact:	Minor irritation may occur from prolonged contact	
Ingestion:	May cause nausea and vomiting	
Inhalation:	May cause coughing and wheezing. May cause allergic reactions	
Carcinogenicity:	This material is not considered to be a carcinogen	
Mutagenicity:	This material is not considered to be a mutagen	
Reproductive Effects:	None identified	

12 ECOLOGICAL INFORMATION

Environmental Effect: Ecotoxicity Value: Persistence & Degradability:

No data No data The product may lead to a high chemical consumption of oxygen in biological sewage works or natural waters and has a negative effect on living creatures. Degrades to form sulphates in the natural environment None

Bioaccumulative Potential:

<u>13</u> <u>DISPOSAL CONSIDERATIONS</u>

Disposal of Product:

Disposal of Packaging: National or Regional Legislation: Absorb in sand or earth and dispose of in an approved land fill. Minor spillages may be washed to drain with plenty of water This product is supplied in returnable packaging or bulk containers Dispose of in accordance with Part 2 of the Environmental Protection Act, 1990. Consult your local Waste Regulatory Authority if in any doubt

<u>14</u> TRANSPORT INFORMATION

UN No.: ADR Item No.: IATA -DGR Class:

<u>15</u> <u>REGULATORY INFORMATION</u>

Classification:	IRRITANT	
Hazard Pictogram:	Xi	IRRITAN
Risk Phrases:	R31 - Contact with acids liberates toxic gas	
	R36/37/38 - Irritating to eyes respiratory system and skin	
Safety Phrases:	S14 - Keep away from acids and oxidising agents	
·	S46 - If swallowed, seek medical advice immediately and show container or label	l
	S36/37/38 - Wear suitable protective clothing, gloves and eye/face protection	

CORROSIVE; 8

National Legislation:

The Control of Substances Hazardous to Health Regulations 1999 EH40 Occupational Exposure Limits Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 1996 (CHIP 96) Amended 1998 Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations 1996 Carriage of Dangerous Goods by Road Regulations 1996

<u>16</u> OTHER INFORMATION

Recommended Uses:Customers should ensure that the product is entirely suitable for their own purposeFurther Information:Advice and literature on the properties, storage and handling of this product are available on requestEEC Directive:The above information complies with the Directive 93/112/EEC

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