

# SAFETY DATA SHEET



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 21-Dec-2022

Revision Number 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Name PROTAWELD S200 -- 25KG SSL GENERAL

Product Code(s) 2202703

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Industrial - Welding

Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

DuPont Nutrition Ireland  
Wallingstown  
Little Island  
Cork, Ireland

+353 21 451 7200 (General Information - Cork, Ireland)

E-mail address sds.genencor@iff.com

### 1.4. Emergency telephone number

Emergency Telephone CHEMTREC: +1-800-424-9300 (outside the U.S. & Canada +1-703-741-5970)

#### Emergency Telephone - §45 - (EC)1272/2008

Poison control centre phone number	112 (Europe)
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.3. Other hazards

WARNING. May form combustible dust concentrations in air. The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

**3.1 Substances** Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sodium Alginate 9005-38-3	65 - 100	No data available	-	Not classified	-	-	-
Sucrose 57-50-1	-	No data available	200-334-9	-	-	-	-

Full text of H- and EUH-phrases: see section 16

#### Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Sodium Alginate 9005-38-3	5000	No data available	No data available	No data available	No data available
Sucrose 57-50-1	29700	No data available	No data available	No data available	No data available

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General advice

When in doubt or if symptoms are observed, get medical advice.

##### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

##### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

##### Skin contact

IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.

Ingestion	IF SWALLOWED: Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.
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#### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms	Get medical attention if irritation or other symptoms occur.
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#### **4.3. Indication of any immediate medical attention and special treatment needed**

Note to doctors	Treat symptomatically.
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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Suitable Extinguishing Media	Foam. Dry powder. Water spray. Carbon dioxide (CO2).
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Unsuitable extinguishing media	Keep product and empty container away from heat and sources of ignition. Do not use water jetstream.
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#### **5.2. Special hazards arising from the substance or mixture**

Specific hazards arising from the chemical	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
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Hazardous combustion products	Smoke production.
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#### **5.3. Advice for firefighters**

Special protective equipment and precautions for fire-fighters	Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.
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### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use personal protection recommended in Section 8. Sweep up to prevent slipping hazard.
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For emergency responders	Use personal protection recommended in Section 8.
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#### **6.2. Environmental precautions**

Environmental precautions	Clean contaminated objects and areas thoroughly observing environmental regulations.
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#### **6.3. Methods and material for containment and cleaning up**

Methods for containment	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Dispose of in accordance with local regulations.
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Methods for cleaning up	Use industrial vacuum cleaners approved for combustible dust and area electrical classification.
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Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
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#### **6.4. Reference to other sections**

Reference to other sections See section 8 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Minimise dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654).

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.

### 7.3. Specific end use(s)

**Specific use(s)** See section 1 for more information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** Based on data available for ingredients

Chemical name	European Union	United Kingdom	France	Spain	Germany TRGS
Sucrose 57-50-1	-	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-

Chemical name	Italy MDLPS	Portugal	Netherlands	Finland	Denmark
Sucrose 57-50-1	-	TWA: 10 mg/m <sup>3</sup>	-	-	-

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Sucrose 57-50-1	-	-	-	-	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>

Chemical name	Belgium	Sweden	Croatia	Turkey
Sucrose 57-50-1	TWA: 10 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	-

### 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation. Avoid generation of dust and aerosols.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

<b>Hand protection</b>	Wear protective gloves.
<b>Skin and body protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory protection</b>	If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder
<b>Physical state</b>	Solid
<b>Colour</b>	Yellowish to light-brown
<b>Odour</b>	almost odourless
<b>Odour threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.0 - 8.0	(1% solution)
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapour pressure</b>	No data available	None known
<b>Relative vapour density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Bulk density</b>	No data available	
<b>Liquid Density</b>	No data available	
<b>Water solubility</b>	Slowly soluble, forming a viscous, colloidal solution	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>		Not applicable
<b>Particle Size Distribution</b>		Not applicable

### 9.2. Other information

#### 9.2.1. Information with regards to physical hazard classes

Not applicable

#### 9.2.2. Other safety characteristics

**Sensitivity to mechanical impact** None known  
No

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Reactivity Not expected.

**10.2. Chemical stability**

Stability Stable under normal conditions.

**Explosion data**

Sensitivity to mechanical impact No.

Sensitivity to static discharge Yes.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

**10.4. Conditions to avoid**

Conditions to avoid Heat, flames and sparks. May form combustible dust concentrations in air.

**10.5. Incompatible materials**

Incompatible materials Keep away from heat, flames and sparks.

**10.6. Hazardous decomposition products**

Hazardous decomposition products No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Product Information****Acute toxicity**

Inhalation No information or data specific to the product on this toxicological (health) effect is available.

Eye contact No information or data specific to the product on this toxicological (health) effect is available.

Skin contact No information or data specific to the product on this toxicological (health) effect is available.

Ingestion No information or data specific to the product on this toxicological (health) effect is available.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms Get medical attention if irritation or other symptoms occur.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Respiratory or skin sensitisation No information available

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

### Numerical measures of toxicity

**Component Information** Classification based on data available for ingredients

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Alginate	>5000 mg/kg ( Rat )	-	=4.72 mg/L ( Rat ) 1 h
Sucrose	=29000 mg/kg ( Rat )	-	-

#### *Sodium Alginate 9005-38-3*

<b>Eye irritation</b>	Not expected
<b>Skin irritation</b>	Not expected
<b>Respiratory irritation</b>	Not expected
<b>Sensitisation</b>	Not expected
<b>Reproductive effects</b>	Not expected
<b>Mutagenic effects</b>	Not expected
<b>Systemic Toxicity</b>	Not expected
<b>Carcinogenicity</b>	Not expected
<b>Teratogenicity</b>	Not expected

#### *Sucrose 57-50-1*

<b>Eye irritation</b>	Not expected
<b>Skin irritation</b>	Not expected
<b>Respiratory irritation</b>	Not expected
<b>Sensitisation</b>	Not expected
<b>Reproductive effects</b>	Not expected
<b>Mutagenic effects</b>	Not expected
<b>Systemic Toxicity</b>	Not expected
<b>Carcinogenicity</b>	Not expected
<b>Teratogenicity</b>	Not expected

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

### 11.2.2. Other information

**Other adverse effects** No information available.

**SECTION 12: Ecological information****12.1. Toxicity**

**Ecotoxicity** Based on data available for ingredients.

**12.2. Persistence and degradability**

**Persistence and degradability** Based on data available for ingredients.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** Based on data available for ingredients

**Component Information** Based on data available for ingredients

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** Based on data available for ingredients

Chemical name	PBT and vPvB assessment
Sucrose 57-50-1	The substance is not PBT / vPvB

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**12.7. Other adverse effects**

**Other adverse effects** No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of wastes in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging** Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

**SECTION 14: Transport information****IATA**

**14.1 UN number or ID number** Not regulated  
**14.2 Extended Proper Shipping Name** Not regulated  
**14.3 Transport hazard class(es)** Not regulated  
**14.4 Packing group** Not regulated  
**14.5 Environmental hazards** Not applicable  
**14.6 Special Precautions for Users**



<b>Special Provisions</b>	None
<b>IMDG</b>	
14.1 UN number or ID number	Not regulated
14.2 EPNM	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

<b>RID</b>	
14.1 UN number	Not regulated
14.2 Extended Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

<b>ADR</b>	
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

## SECTION 15: Regulatory information

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

#### National regulations

**France Occupational Illnesses (R-463-3, France)** Based on data available for ingredients

Chemical name	French RG number
Sucrose 57-50-1	RG 66

**Water hazard class (WGK)** Based on data available for ingredients

**Mixture** Based on data available for ingredients

Chemical name	CAS No	WGK Classification (AwSV)
Sodium Alginate	9005-38-3	Klasse (class) 1
Sucrose	57-50-1	Klasse (class) 1

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

**International Inventories:** Based on data available for ingredients

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information****Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Further information** ATEX Directive 1999/92/EC, Workplace Requirements for Explosive Atmospheres  
ATEX Directive 94/9/EC, Equipment for use in Explosive Atmospheres

**Revision date** 21-Dec-2022

**Reason for revision** \*\*\*Indicates updated section

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**