



SAFETY DATA SHEETS (SDS)

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **CARBOBLAST 25/25A**
SYNONYMS: Enviorstrip, #25, #25A, Cellulose\
FORMULA: $(C_6H_{10}O_5)_n$
RECOMMENDED USES: Blasting Grain is suitable for surface preparations / coating removal. Microgrit Powders are used for micro blasting, precision lapping, fine grit grinding, break lining fillers, tumbling, polishing compounds, etc.
COMPANY: **CRYSTAL MARK INC.**
ADDRESS: 613 Justin Ave. Glendale CA, 91201
PHONE: 818 240-7520

2. HAZARD IDENTIFICATION

Emergency Overview

Warning. May form combustible dust concentrations in air (during processing and handling). Product dust may cause mild, mechanical irritation. Contains Wheat. May produce an allergic reaction.

Appearance	Physical State	Odor
White	Crystals	Odorless

Classification according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (GHS):

Hazards Not Otherwise Classified	Combustible Dust One or more of the product component(s) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS.
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OSHA / GHS Label Elements

Signal Word:	Warning
Hazard Statement(s):	May form combustible dust concentrations in air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Typical Ingredient	CAS#	Weight(%)	Carcinogen
Wheat starch $(C_6H_{10}O_5)_n$	9005-25-8	99-100 10*	No
North American Hazard Indicator OSHA / GHS: 29 CFR 1910.1000 Air Contaminant.			

4. FIRST-AID MEASURES

GENERAL ADVICE: Contains wheat. May produce an allergic reaction.

EYES: Flush eyes with lukewarm water for 15 minutes, opening and closing eyelids to ensure adequate rinsing. If redness, irritation, pain, or tearing occurs, seek medical attention.

SKIN: Wash contaminated area with soap and water.

INHALATION: If inhalation of high concentrations occurs, move to fresh air. If symptoms persist, call a physician.

INGESTION: Clean mouth with water and afterwards drink plenty of water.

5. FIRE FIGHTING MEASURES

Flammable Properties

Fine dust dispersed in air may ignite. Risk of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges. As with most organic solids, combustion is possible at elevated temperatures or by contact with an ignition source.

Suitable Extinguishing Media: Water, Dry chemical. Carbon dioxide (CO₂). Foam. Use extinguishing measures that

are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None known

FLASH POINT: Not Applicable

FLAMMABLE LIMITS IN AIR: Not Applicable

LEL: Not Applicable

UEL: Not Applicable

AUTO IGNITION TEMPERATURES: Not Applicable.

EXTINGUISHING MEDIA: Use media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARDS: Yes, Fine dust may ignite.

HAZARDOUS DECOMPOSITION PRODUCTS: None

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. **NFPA**

CLASSIFICATION: HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid dust formation.

Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained.

Methods for Clean-up

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Store in dry area in closed containers. Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition. Fine dust dispersed in air may ignite. Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities". Ensure adequate ventilation

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	MEXICO	NIOSH
Wheat starch	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction		TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust

Exposure Limits

RESPIRATORY PROTECTION When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If exposed to airborne dust, use appropriate NIOSH approved (or equivalent) respiratory protection.

SKIN PROTECTION: Protective gloves, as needed, to prevent skin contact.

EYE PROTECTION: Safety-glasses with side shields or goggles to prevent dust and particles from entering the eye. See OSHA 29 CFR 1910.133.

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Formula	(C ₆ H ₁₀ O ₅) _n
Boiling Point	Not Applicable
Melting Point	Not Applicable
Specific Gravity (H ₂ O = 1)	1.45
pH	6
Evaporation Rate	None

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EN (English US)

Solubility in Water	Slightly Soluble
Appearance/Odor	Odorless white crystals
Auto ignition Temperature	No information available
Flammability Limits in Air	Not applicable
Specific Gravity / Relative Density	1.45
Bulk Density	44 lb/ft ³

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

POSSIBLE HAZARDOUS REACTIONS: Reacts with strong acids, oxidizing agents, and with strong alkali.

CONDITIONS TO AVOID: Heat, flames and sparks. Avoid conditions that generate dust.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may lead to release of, Carbon monoxide (CO), Carbon dioxide (CO₂).

INOMPATIBLE MATERIALS: No Materials to be especially mentioned.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Based on available data, no evidence of acute toxicity.

SKIN COROSION: Based on available data, not, or only slightly irritating.

GERM CELL MUTAGENICITY: Based on available data, the classification criteria are not met.

CARCINOGENICITY: No evidence of carcinogenicity. Based on available data, the classification criteria are not met.

ASPIRATION HAZARD: Based on available data, no known aspiration hazard.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste water treatment plants.

PERSISTENCE/DEGRADIBILITY: Biodegradable

MOBILITY: Slightly soluble in water.

Not for human or animal consumption. For industrial use only

13. DISPOSAL CONSIDERATIONS

Dispose of according to applicable federal, state and local regulations. Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (D.O.T.):	<u>Not Regulated as a Hazardous Material</u>
D.O.T. HAZARD CLASS (49 CFR 172.101):	N/A
D.O.T. PROPER SHIPPING NAME (49 CFR 172.101):	N/A
D.O.T. LABELS REQUIRED (49 CFR 172.101):	N/A
D.O.T. PLACARDS REQUIRED:	N/A
IMDG:	N/A
I.A.T.A	N/A

15. REGULATORY INFORMATION

International Inventories _____

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENC	CHINA	PICCS	KECL	NZIoC
Wheat starch	Yes	Yes	No	Yes 232-679- 6	No	Yes	S Yes (8)- 98	Yes	Yes	Yes KE- 32128	Yes

USA

Federal Regulations**Ozone Depleting Substances:**

No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

CERCLA/SARA 103-302

Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63)

This product is not known to contain any HAPS.

State Regulations—**California Proposition 65**

Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source.

Proposition 65 exempts naturally occurring listed chemicals from an obligation to label.

State Right-to-Know

Component Information.

Chemical Name	Weight %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Wheat starch	99-100	Yes	Yes	No	Yes

Canada**WHMIS Product Classification****WHMIS Ingredient Disclosure List IDL**

No known component is listed on the WHMIS ingredients disclosure list.

(NPRI) Canadian National Pollutant Release Inventory

No known component is listed on NPRI.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION & LAST REVISION DATE

Prepped By:	Crystal Mark Inc.
Original Preparation Date:	6/11/2015
Revision Date:	N/A
Revision:	A

Abbreviations and acronyms

ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values AICS
 - Australian Inventory of Chemical Substances (Australia)
 CAS - Chemical Abstract Service
 CHINA - Chinese Inventory of Existing Chemical Substances (China)

DOT - U.S. Department of Transportation
DSL - Domestic Substance List (Canada)
EINECS - European Inventory of Existing Commercial Chemical Substances (EU)
ELINCS - European List of Notified Chemical Substances (EU)
ENCS - Existing and New Chemical Substances (Japan) / ISHL - Industrial Health and Safety Law (Japan) GHS
- Globally Harmonized System of Classification and Labelling of Chemicals
IATA - International Air Transport Association Dangerous Goods Regulations ICAO
- International Civil Aviation Organization
ICL - In Commerce List (Canada)
IMDG - International Maritime Dangerous Goods Code IMO
- International Maritime Organization
KECL - Korean Existing and Evaluated Chemical Substances (Korea)
MEX - NOM-002-SCT/2003 List of Hazardous Substances and Materials Most Commonly Transported
MEXICO - Mexico Occupational Exposure Limits
NDSL - Non Domestic Substances List (Canada) NFPA
- National Fire Protection Association
NIOSH - National Institute of Occupational Safety and Health
NZIoC - New Zealand Inventory of Chemicals (New Zealand)
OSHA - Occupational Safety & Health Administration
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits PICCS
- Inventory of Chemicals and Chemical Substances (Philippines)
[SEN] - Sensitizer notation. May reflect risk of dermal and/or inhalation sensitization (consult ACGIH documentation)
STOT - Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods (Transport Canada) TSCA
- Toxic Substances Control Act, Section 8(b) Inventory (USA)
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)
WHMIS - Workplace Hazardous Materials Information System

DISCLAIMER:

Although reasonable care has been taken in the preparation of the information contained herein, the originator and **CrystalMarkInc** extends no warranties, makes no representation and assumes no responsibility as to the accuracy of suitability of such information for application to the purchaser's intended purposes or for consequences of its use.

LAST REVISION DATE: 10/21/2015
