



# MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

Product Identity Corn Products™ / Casco™ Industrial Corn Starch, 030050

Product Use Corn starch for industrial application

Company Corn Products U.S. Casco, Inc.

5 Westbrook Corporate Center 405 The West Mall, Suite 600, Westchester, IL 60154 USA Etobicoke, Ontario M9C 0A1 Canada Info/Emergency Phone: (708) 551-2600 Info/Emergency Phone: (416) 620-2300

Fax: (708) 551-2510 Fax: (416) 620-4488

Business Hours: Mon – Fri. 7:30 a.m. – 5:00 p.m.

Business Hours: Mon – Fri. 7:30 a.m. – 6:00 p.m.

(Central Time) (E.S.T)

COMPOSITION/INFORMATION ON INGREDIENTS

Substance% or RangeCAS NumberEINICS NumberToxicology DataCorn Starch≤1009005-25-8232-679-6LD<sub>50</sub>: LC<sub>50</sub>: No data available<br/>No data available

HAZARDS IDENTIFICATION

**Toxicity** Inhalation of dust may irritate the nose, throat, and upper respiratory tract. Skin contact is not known to be hazardous to

health. Eye contact may cause mild transient irritation. Ingestion of quantities sufficient to produce health effects is not a

plausible route of exposure in industrial use.

Reactivity Product is non-reactive under foreseeable conditions of use.

Flammability See Fire and Explosion Hazards and Firefighting Measures.

**Corrosivity** This product is non-corrosive.

S Phrase(s) None designated.
R Phrase(s) None designated.

FIRST AID MEASURES

**Inhalation** Remove the subject from the source of exposure.

Skin Contact Wash affected area with water.

Eye Contact Flush eyes with water for at least fifteen minutes. Seek medical assistance, if necessary.

Ingestion Not available.

FIRE AND EXPLOSION HAZARDS AND FIREFIGHTING MEASURES

Hazards High concentrations of product dust from this product may burn explosively if ignited by static charges or other ignition

sources. The conditions under which this may occur are not readily predictable. Avoid open flames, electrical arcs, static electricity, and/or welding in areas of excessive dusting. Ensure that conveying and handling equipment is securely grounded. Fire and explosions may release carbon monoxide, smoke, and irritant combustion byproducts.

**Extinguishing media** Water, carbon dioxide, or dry chemical.

Fire and Explosion Hazards Flashpoint: No of

Data

Flashpoint: No data available Autoignition temperature: No data available

Lower Explosive

Upper Explosive

Concentration:

No data available

Concentration:

No data available







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# PREVENTIVE MEASURES

Accidental Release Measures

Eliminate sources of ignition and static charge. Dry sweep spilled material to impervious containers. Avoid direct Control Measures

release to environmental media.

Avoid contact with skin, eyes, and mucous membranes. Protective equipment is not required for clean up unless high Personal Protection

dust levels exist. In such cases, wear respiratory protection appropriate for particulate matter in air, and that is approved

and qualified.

Dispose of residues in compliance with applicable national, state/provincial, and local regulations. **Environmental Precautions** 

Handling and Storage

Handling Avoid contact with eyes and mucous membranes. Avoid creating dust clouds.

Store in a cool, dry place away from sources of ignition and incompatible materials (see Stability and Reactivity for Storage

incompatible materials). Store in a tightly closed container and protected from light.

**Exposure Controls and Personal Protection** 

Where use of the product may generate airborne dust, use appropriate measures such as local exhaust ventilation to Engineering Controls

maintain air concentrations of the components to within their respective exposure limits.

If any exposure level exceeds a permissible limit, use a respirator having a configuration (class, face piece, filter, etc.) Respiratory Protection

appropriate to the concentration and approved and qualified for the application.

Wear appropriate eye protection such as goggles or glasses if there is the potential for eye contact with the product. Eye Protection

Skin Protection Skin protection is not normally required. If it is desired, cloth or synthetic gloves are suitable.

PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder Color/colour: White Odor/odour: None or faint cereal-**Appearance** 

like

None

Packing Density: 0.50 - 0.70 g/cc Moisture %: 9.0 - 12.5 Water Solubility: Not Soluble Physical Data

(31 - 44 lbs./ft3)

Odor/odour pH Value: 4.8 - 6.0

Threshold: No data available

Minimum

Minimum Ignition Ignition Energy: 30 - 60 Temperature:

milliJoules(mJ) (dust cloud) 300 - 400°C

Vapor/vapour

Pressure:

STABILITY AND REACTIVITY

Conditions to avoid This product is stable under normal conditions of temperature and pressure.

Materials to avoid Oxidizing/oxidising agents

Decomposition products Carbon monoxide; carbon dioxide; irritant gasses, and smoke

Dangerous polymerization/polymerisation Will not occur.

Dangerous reactions None are known or reasonably foreseeable







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# TOXICOLOGICAL INFORMATION

Health Hazards Routes of Entry: Inhalation and ingestion. Not absorbed through skin or mucous membranes.

of Product Acute Effects: Inhalation may irritate the nose, throat, and respiratory tract. Eye contact may cause mild

transient irritation. Ingestion of quantities sufficient to produce adverse health effects is not a plausible route of exposure in industrial use. Skin contact is not known to be hazardous.

Chronic Effects: Adverse effects from chronic inhalation or ingestion are not known.

Exposure Limits ACGIH TLVs, as

ACGIH TLVs, as Particulates Not 10 mg/m³ (inhalable fraction) OSHA PELs, as Particulates Not

3 mg/m³ (respirable fraction)
Regulated:

Not Otherwise 15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)

No

No

Otherwise Classified: IARC:

No NTP (USA):

ACGIH: OSHA (USA):

Reproductive Toxicity

This product is not classified as a reproductive toxin by any authoritative body or regulatory agency.

## **ECOLOGICAL INFORMATION**

Carcinogencity

In its intended manner of use, this product should not be released directly into environmental media. However, it is readily biodegradable in the natural environment.

#### TRANSPORT INFORMATION

Shipment of this product is not controlled by ICAO, USDOT, or Canadian TDG regulations, or Mexican NOM-004-SCT-2000 regulations.

#### REGULATORY INFORMATION

United States

TSCA: All constituents are on EPA's TSCA inventory.

CERCLA: Contains no reportable quantity (RQ) substances per Sections 302/304 of EPA.

SARA: Contains no chemicals subject to the reporting requirements of Section 313 of EPA.

FDA: Not applicable.

Canada WHMIS Classification(s): Not applicable.
DSL: Starch is included.

Food and Drug Act: Not applicable.

Europe Exempt from OECD (793/93/EEC) List for Evaluation of High Production Volume (HPV) Chemicals EU EINECS 232-679-6

Elsewhere Present on Japan (ENCS), Phillipines (PICCS), Austrailia (AICS) and China's Product Inventory List

## PREPARATION INFORMATION

Preparer/Responsible Party Paul Zwijack Doug Hobbs

Corn Products U.S. Casco, Inc.

5 Westbrook Corporate Center 405 The West Mall, Suite 600, Westchester, IL 60154 USA Etobicoke, Ontario M9C 0A1 Canada

Revision Information

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