



Dextrin

Product Identification

Product name	Dextrin
Product Code	GO-000110
Synonyms	British gum; starch gum
CAS No.	9004-53-9
Molecular Weight	162.14
Chemical Formula	(C ₆ H ₁₀ O ₅) _n . xH ₂ O

Composition Information

Hazardous Ingredients	%	C.A.S.#
Dextrin	90 - 100	9004-53-9

Hazard Identification

Emergency Overview	warning! may form combustible dust concentrations in air
Health Rating	0 - None
Flammability Rating	1 - Slight
Reactivity Rating	0 - None
Contact Rating	0 - None
Lab Protective Equip	goggles; lab coat
Storage Color Code	Green (General Storage)
Potential Health Effects Inhalation	No adverse health effects expected from inhalation
Ingestion	Large doses may cause gastro-intestinal upset
Skin Contact	No adverse effects expected
Eye Contact	No adverse effects expected but dust may cause mechanical irritation
Chronic Exposure	No information found
Aggravation of Pre-existing Conditions	No information found

First Aid

Inhalation	Remove to fresh air. Get medical attention for any breathing difficulty
Ingestion	If large amounts were swallowed, give water to drink and get medical advice
Skin Contact	Wash exposed area with soap and water. Get medical advice if irritation develops
Eye Contact	Wash thoroughly with running water. Get medical advice if irritation develops

Fire Fighting Measure

Fire	As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.
Explosion	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosible concentration, g/l: 0.050
Fire Extinguishing Media	Water spray, dry chemical, alcohol foam, or carbon dioxide
Special Information	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-facepiece operated in the pressure demand or other positive pressure mode

Accidental Release Measure

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

Handling and Storage

Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

Exposure Controls/Personal Protection

Airborne Exposure Limits	None established
Ventilation System	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered
Personal Respirators (NIOSH Approved)	Personal Respirators (NIOSH Approved): For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres
Skin Protection	Wear protective gloves and clean body-covering clothing
Eye Protection	Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area

Physical and Chemical Properties

Appearance	Off-white powder
Odor	Odorless
Solubility	Appreciable in water
Specific Gravity	1.45
pH	No information found
% Volatiles by volume @ 21°C (70F)	10
Boiling Point	Variable because of amorphous nature
Melting Point	No information found
Vapor Density (Air=1)	No information found
Vapor Pressure (mm Hg)	No information found
Evaporation Rate (BuAc=1)	No information found

Stability and Reactivity

hazardous polymerization	Will not occur
stability	Stable under ordinary conditions of use and storage
incompatibility	Strong oxidizers
conditions to avoid	Heat, flame, ignition sources, dusting and incompatibles
hazardous products of decomposition	Carbon dioxide and carbon monoxide may form when heated to decomposition

Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

Known NTP Carcinogen	No
Anticipated NTP Carcinogen	No
IARC Category	None

Ecological Information

Environmental Fate	No information found
Environmental Toxicity	No information found

Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Waste disposal facility. Processing, use or contamination of this product may change the waste

Transport Information

Not regulated

Regulation Information

Chemical Inventory Status

TSCA	Yes
EC	Yes
Japan	No
Australia	Yes
Korea	Yes
Canada--DSL	Yes
Canada--NDSL	No
Phil.	Yes

Federal, State & International Regulations

SARA 302-RQ	No
SARA 302-TPQ	No
SARA 313-List	No
SARA 313Chemical Catg.	No
CERCLA	No
RCRA-261.33	No
TSCA-8(d)	No

Chemical Weapons Convention

TSCA 12(b)	No
CDTA	No
SARA 311/312 Acute	No
SARA 311/312 Chronic	No
Fire	Yes
Pressure	No
Reactivity	No (Pure / Solid)

WHMIS

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Other Information

NFPA Ratings

Health: 0 Flammability: 1 Reactivity: 0

Label Hazard Warning

warning! may form combustible dust concentrations in air

Label Precautions

Store in a tightly closed container. Avoid dust cloud in presence of an ignition source. Use with adequate ventilation

Label First Aid

Not applicable

Other Information

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