

Identification of substance/mixture and producer

<i>Product Code</i>	37151, 30945
<i>Product Name</i>	Alcotec Alpha Amylase
<i>Synonyms</i>	High- temperature Alpha Amylase
<i>CAS no.</i>	9000-90-2
<i>Taric</i>	2106909855
<i>Use</i>	Enzyme to convert starch in to sugars
<i>Producer</i>	Hambleton Bard Ltd Cobnar Wood Close Chesterfield S41 9RQ United Kingdom Telephone: +44 1246 888819 Telefax: +44 1246 351261 Email: export@hambletonbard.com
<i>Emergency telephone no</i>	+44 1246 887890

Composition/information on ingredients

<i>Product composition</i>	Dry powder made from a strain of <i>Bacillus amyloliquefacians</i>
<i>Food grade</i>	Yes
<i>GMO statement</i>	This product contains no genetically modified components

Hazards identification

<i>Classification</i>	Non hazardous
<i>Risk phrases</i>	Enzyme preparations have dusts. Inhalation of enzyme dust may induce sensitization and may cause allergic type reactions in sensitized individuals. Prolonged skin contact may cause minor irritation.
<i>Safety phrases</i>	N/A
<i>Labelling</i>	Labelling as per Regulation EC 1272/2008 not applicable

First aid measures

<i>General advice</i>	Move out of the dangerous area, show this data sheet to the doctor in attendance.
<i>If inhaled</i>	Remove from exposure. If irritation or allergic response develops, consult a doctor.
<i>In case of skin contact</i>	Wash skin with plenty of cold water.
<i>If swallowed</i>	Rinse mouth thoroughly with water and drink water afterwards. Consult a doctor.
<i>In case of eye contact</i>	Irrigate eyes with cold water for at least 20 mins. Obtain medical advice if irritation occurs

Material Safety Data Sheet (1)

Firefighting measures

Extinguishing media Water, foam

Accidental release measures

Personal precautions After spillage, avoid raises of dust from dried preparation.
Never use high pressure-water jet. Provide for sufficient ventilation.
Wash contaminated clothing.

Environmental precautions Try to prevent material from reaching drains or water courses.

Method for cleaning up Take up by mechanical means, preferably by a vacuum equipped with a high efficiency filter. Flush remainder carefully with plenty of water

Handling and storage

Handling Avoid formation of dust. Provide for good ventilation of the room when handling the preparation.

Storage Store container in a dry and cool place.

Exposure controls / personal protection

Exposure limits Contains no components with occupational exposure limits.

Personal protection

Respiratory protection Wear dust mask

Hand protection Wear gloves

Eye protection Use goggles

Skin protection Wear protective overall

Physical and chemical properties

Appearance Powder mix

Colour Slightly yellow /brown

Odour Slight fermentation odour

Flammability Non-flammable

Stability and reactivity

Chemical stability Stable

Conditions to avoid None

Materials to avoid None

Hazardous products None

Material Safety Data Sheet (2)

Toxicological information

Effects of exposure

<i>Eye contact</i>	May irritate eyes
<i>Skin contact</i>	May irritate skin
<i>If inhaled</i>	May cause mild irritation
<i>If swallowed</i>	May cause mild irritation
<i>Carcinogenity</i>	Not considered to be a carcinogen
<i>Mutagenity</i>	Not considered to be a mutagen
<i>Reproductive effects</i>	None identified

Ecological information

The preparation is believed not to be dangerous to the environment with respect to mobility, persistence and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity

Disposal considerations

No special disposal method required, except to be in accordance with current local authority regulations.

Transport information

This preparation is not dangerous goods according to international regulations for transport.

Material Safety Data Sheet (3)