

MATERIAL SAFETY DATASHEET

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Section 1. ----- chemical identification -----

Name: Glucose for PQ Part no: 250.1067

Section 2. ----- composition/information on ingredients -----

Appearance	White powder	Synonyms :	Dextrose
Formula :	$C_6H_{12}O_6$	Molecular Weight :	180,16 g/mol
CAS-No. :	50-99-7	EC-No. :	200-075-1

Section 3. ----- hazards identification -----

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) if used properly.

Section 4. ----- first-aid measures -----

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact: Wash off with soap and plenty of water.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5. ----- fire fighting measures -----

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture: Carbon oxides
Advice for firefighters: Wear self-contained breathing apparatus for fire-fighting if necessary.
Further information: no data available

Section 6. ----- accidental release measures -----

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapours, mist or gas.
Environmental precautions: Do not let product enter drains.
Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. ----- handling and storage -----

a) Handling: Handle in accordance with normal good industrial hygiene practice, using standard skin and eye protection.
b) Storage: Store under normal, cool, dry and well ventilated conditions. Extremes of temperature should be avoided. Hygroscopic.

Section 8. ----- exposure controls/personal protection -----

Engineering Controls:	Not Applicable
Personal Protection:	Safety glasses. Lab coat.
Personal Protection in Case of a Large Spill:	Not Applicable
Exposure Limits:	Not available

Section 9. ----- physical and chemical properties -----

a) Appearance Form:	crystalline, powder, Colour: white
b) Odour:	no data available
c) Odour	Threshold no data available
d) pH	no data available
e) Melting point/freezing point	Melting point/range: 150 - 152 °C
f) Initial boiling point	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability	no data available

k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	Soluble
o) Partition coeff n-octanol/water	no data available
p) Auto-ignition temp	no data available
q) Decomposition temp	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

Section 10. - - - - - stability and reactivity - - - - -

Reactivity:	no data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	no data available

Section 11. - - - - - toxicological information - - - - -

Acute toxicity	LD50 Oral - rat - 25.800 mg/kg. Remarks: Behavioral:Coma. Cyanosis Diarrhoea
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitisation	no data available
Germ cell mutagenicity	mouse, lymphocyte, Mutation in mammalian somatic cells.
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
Specific target organ toxicity - repeated exposure	no data available
Aspiration hazard	no data available
Additional Information	RTECS: LZ6600000

Section 12. - - - - - ecological information - - - - -

Toxicity	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	no data available

Section 13. - - - - - disposal considerations - - - - -

Dispose of according to a recognised method of chemical disposal.

Section 14. - - - - - transport information - - - - -

The product is not classified as dangerous for carriage.

Section 15. - - - - - regulatory information - - - - -

EINECS: Not Listed. WHMIS Canada: Not WHMIS Controlled.
TSCA: All components are listed or are exempt. California Proposition 65: Not listed

Section 16. - - - - - other information - - - - -

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Date: September, 2014