

MATERIAL SAFETY DATA SHEET



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SECTION 1. ----- CHEMICAL IDENTIFICATION -----

CATALOG#: IB37160 & IB37165
NAME: SUCROSE
CAS#: 57-50-1

SECTION 2. ----- HAZARDS IDENTIFICATION -----
LABEL PRECAUTIONARY STATEMENT

MAY BE IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING.

CAUTION: THE TOXICOLOGICAL PROPERTIES OF THIS CHEMICAL HAVE NOT BEEN
THOROUGHLY INVESTIGATED.

HMS: NFPA:

H: 0 H: 0

F: 1 F: 0

R: 0 R: 0

PE: B SH: N/A

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CHEMICAL NAME:	CAS:	RTECS#:	EINECS#:
SURCOSE	57-50-1	WN6500000	200-334-9

THIS MATERIAL IS NOT CONSIDERED HAZARDOUS UNDER 29CFR 1910.1200. AS WITH
ALL CHEMICALS EXERCISE CAUTION WHILE HANDLING.

SYNONYMS

BEET SUGAR * CANE SUGAR * CONFECTIONER'S SUGAR * FRUCTOFURANOSIDE,
ALPHA-D-GLUCOPYRANOSYL, BETA-D * BETA-D-FRUCTOFURANOSIDE, ALPHA-D-
GLUCOPYRANOSYL * GLUCOPYRANOSIDE, BETA-D-FRUCTOFURANOSYL, ALPHA-D *
ALPHA-D-GLUCOPYRANOSYL BETA-D-FRUCTOFURANOSIDE * (ALPHA-D-GLUCOSIDO)-
BETA-D-FRUCTOFURANOSIDE * GRANULATED SUGAR * NCI-C56597 * ROCK CANDY *
SACCHAROSE * SACCHARUM * SUCROSE (ACGIH:OSHA) * SUGAR *

MF: C₁₂H₂₂O₁₁

SECTION 4. ----- FIRST-AID MEASURES -----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

WEAR PROTECTIVE EQUIPMENT.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

DO NOT BREATHE DUST.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

STORE AT ROOM TEMPERATURE.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR IN NONVENTILATED AREAS AND/OR FOR
EXPOSURE ABOVE THE ACGIH TLV.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE

WHITE CRYSTALS

PHYSICAL PROPERTIES

MELTING POINT: 185°C TO 187°C

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

STABILITY

STABLE.

CONDITIONS TO AVOID

HEAT

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

MAY CAUSE EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: WN6500000

SUCROSE

TOXICITY DATA

ORL-RAT LD50:29700 MG/KG

TXAPA9 7,609,1965

IPR-MUS LD50:14000 MG/KG

PCJOAU 15,139,1981

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

NOT REGULATED.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION

R: N/A

S: N/A

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

ACGIH TLV-NOT CLASSIFIABLE AS A HUMAN CARCINOGEN DTLVS* TLV/BEI,1996

ACGIH TLV-TWA 10 MG/M3

DTLVS* TLV/BEI,1996

MSHA STANDARD:NUISANCE PARTICULATES

DTLWS* 3,28,1973

OSHA PEL (GEN INDU):8H TWA 15 MG/M3, TOTAL DUST

CFRGBR 29,1910.1000,1994

OSHA PEL (GEN INDU):8H TWA 5 MG/M3, RESPIRABLE DUST

CFRGBR 29,1910.1000,1994

OSHA PEL (CONSTRUC):8H TWA 15 MG/M3, TOTAL DUST

CFRGBR 29,1926.55,1994

OSHA PEL (CONSTRUC):8H TWA 5 MG/M3, RESPIRABLE DUST

CFRGBR 29,1926.55,1994

OSHA PEL (SHIPYARD):8H TWA 15 MG/M3, TOTAL DUST

CFRGBR 29,1915.1000,1993

OSHA PEL (SHIPYARD):8H TWA 5 MG/M3, RESPIRABLE DUST

CFRGBR 29,1915.1000,1993

OSHA PEL (FED CONT):8H TWA 15 MG/M3, TOTAL DUST

CFRGBR 41,50-204.50,1994

OSHA PEL (FED CONT):8H TWA 5 MG/M3, RESPIRABLE DUST

CFRGBR 41,50-204.50,1994

OEL-AUSTRALIA:TWA 10 MG/M3 JAN 1993

OEL-BELGIUM:TWA 10 MG/M3 JAN 1993
OEL-FRANCE:TWA 10 MG/M3 JAN 1993
OEL-UNITED KINGDOM:TWA 10 MG/M3 JAN 1993
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
NIOSH REL TO SUCROSE, RESPIRABLE FRACTION-AIR:10H TWA 5 MG/M3
NIOSH* DHHS #92-100,1992
NIOSH REL TO SUCROSE, TOTAL DUST-AIR:10H TWA 10 MG/M3
NIOSH* DHHS #92-100,1992
NOHS 1974: HZD 81515; NIS 101; TNF 12044; NOS 86; TNE 121005
NOES 1983: HZD 81515; NIS 108; TNF 15179; NOS 110; TNE 368912; TFE169962
EPA GENETOX PROGRAM 1988, INCONCLUSIVE: MAMMALIAN MICRONUCLEUS
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1997

SECTION 16. ----- OTHER INFORMATION-----

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