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M A T E R I A L S A F E T Y D A T A S H E E T

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

CATALOG #: 85654
NAME: STARCH FROM RICE*

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 9005-25-8
EC NO: 232-679-6

SYNONYMS

AMAIZO W 13 * AMYLOMAIZE VII * AMYLUM * AQUAPEL (POLYSACCHARIDE) *
ARGO BRAND CORN STARCH * ARROWROOT STARCH * CLARO 5591 * CLEARJEL *
CPC 3005 * CPC 6448 * FARINEX 100 * GALACTASOL A * GENVIS * HRW 13 *
KEESTAR * MAIZENA * MARANTA * MELOJEL * MELUNA * OK PRE-GEL * PENFORD
GUM 380 * REMYLINE AC * RICEICE STARCH * SORGHUM GUM * STARAMIC 747 *
STARCH * ALPHA-STARCH * STARCH (ACGIH:OSHA) * STARCH, CORN * STA-RX
1500 * TAPIOCA STARCH * TAPON * TROGUM * W-GUM * W-13 STABILIZER *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

DATA NOT AVAILABLE

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

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.

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 RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
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- - - - -

REFER TO SECTION 8.

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

NIOSH/MSHA-APPROVED RESPIRATOR.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.

CHEMICAL SAFETY GOGGLES.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID INHALATION.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
WASH CONTAMINATED CLOTHING BEFORE REUSE.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -
APPEARANCE AND ODOR
SOLID.

SECTION 10. - - - - - -STABILITY AND REACTIVITY - - - - -
STABILITY
STABLE.
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -
ACUTE EFFECTS
MAY CAUSE SKIN IRRITATION.
MAY CAUSE EYE IRRITATION.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
THE NUISANCE DUST MAY BE AN ALLERGEN AND A MILD IRRITANT.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: GM5090000
CORN STARCH
IRRITATION DATA
SKN-HMN 300 UG/3D-I MLD 85DKA8 -,127,1977
TOXICITY DATA
IPR-MUS LD50:6600 MG/KG PCJOAU 15,139,1981

ADDITIONAL INFORMATION
ACGIH TLV-TWA: 10 MG/M3, FOR NUISANCE PARTICULATES(MIST, VAPOR). OSHA
PEL-TWA: 15 MG/M3 (TOTAL PARTICULATE); 5 MG/M3 (RESPIRABLE FRACTION).
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 - - - - -
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -
CONTACT FLUKA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -
REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
ACGIH TLV-NOT CLASSIFIABLE AS A HUMAN CARCINOGEN DTLVS* TLV/BEI,1999

ACGIH TLV-TWA 10 MG/M3 DTLVS* TLV/BEI,1999
MSHA STANDARD:NUISANCE PARTICULATES
DTLWS* 3,28,1972
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 FRACTION
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 FRACTION
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 FRACTION
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 FRACTION
CFRGBR 41,50-204.50,1994
OEL-AUSTRALIA: TWA 10 MG/M3, JAN1993
OEL-BELGIUM: TWA 10 MG/M3, JAN1993
OEL-THE NETHERLANDS: MAC-TGG 10 MG/M3, JAN1999
OEL-SWITZERLAND: MAK-W 6 MG/M3, JAN1999
OEL-UNITED KINGDOM: TWA 10 MG/M3, TOTAL INHALABLE DUST, SEP2000
OEL-UNITED KINGDOM: TWA 4 MG/M3, ESPIRABLE DUST, SEP2000
OEL IN ARGENTINA, BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV;
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
NIOSH REL TO STARCH, RESPIRABLE FRACTION-AIR:10H TWA 5 MG/M3
NIOSH* DHHS #92-100,1992
NIOSH REL TO STARCH, TOTAL DUST-AIR:10H TWA 10 MG/M3
NIOSH* DHHS #92-100,1992
NOHS 1974: HZD M1816; NIS 8; TNF 595; NOS 22; TNE 8921
NOHS 1974: HZD M1860; NIS 11; TNF 1585; NOS 16; TNE 7587
NOHS 1974: HZD M3398; NIS 3; TNF 372; NOS 6; TNE 6520
NOHS 1974: HZD M4676; NIS 5; TNF 256; NOS 10; TNE 2019
NOHS 1974: HZD 69738; NIS 167; TNF 29972; NOS 125; TNE 348135
NOES 1983: HZD X8553; NIS 192; TNF 35235; NOS 150; TNE 665042; TFE
227086

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

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

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