



SECTION 1. - - - - - PRODUCT AND COMPANY INFORMATION - - - - -

Trade name: SILANE CY-570
NAME: 3-(Methacryloyloxy)propyltrimethoxysilane

Details of Supplier/Manufacturer:

*Part E1, Floor 4, No.155, West Fute 1st Road,
China (shanghai) Pilot Free Trade Zone
Tel: 021-58997216*

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

CAS #: 2530-85-0
MF: C10H20O5SI
EC NO: 219-785-8

ADDITIONAL INFORMATION

CONTAINS METHYL ALCOHOL, CHEMICAL ABSTRACTS REGISTRY NUMBER 67-56-1.

SYNONYMS

DYNASYLAN MEMO * KBM 503 * KH 570 * M 8550 * METHACRYLIC ACID, 3-(TRIMETHOXYSILYL)PROPYL ESTER * GAMMA-METHACRYLOXYPROPYLTRIMETHOXYSILANE * MOPS-M * NUCA 174 * 2-PROPENOIC ACID, 2-METHYL-, 3-(TRIMETHOXYSILYL)PROPYL ESTER * SILANE, (3-HYDROXYPROPYL)TRIMETHOXY-, METHACRYLATE * SILICONE A-174 * 3-(TRIMETHOXYSILYL)-1-PROPANOL METHACRYLATE * TRIMETHOXYSILYL-3-PROPYLESTER KYSELINY METHAKRYLOVE (CZECH) * UNION CARBIDE A-174 *

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

LABEL PRECAUTIONARY STATEMENTS

IRRITANT

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

TARGET ORGAN(S):

EYES

KIDNEYS

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

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF SOAP SUDS.

WEAR SUITABLE PROTECTIVE CLOTHING.

MOISTURE SENSITIVE

HEAT-SENSITIVE.

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



MATERIAL SAFETY DATA SHEET

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

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.

UNDER FIRE CONDITIONS, MATERIAL MAY DECOMPOSE

TO FORM FLAMMABLE AND/OR EXPLOSIVE MIXTURES IN AIR.

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

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

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR
DISPOSAL.

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- - - - -

MECHANICAL EXHAUST REQUIRED.

SAFETY SHOWER AND EYE BATH.

WASH THOROUGHLY AFTER HANDLING.

DO NOT BREATHE VAPOR.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

NIOSH/MSHA-APPROVED RESPIRATOR.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.



MATERIAL SAFETY DATA SHEET

CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.
HANDLE AND STORE UNDER NITROGEN.

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

APPEARANCE AND ODOR

LIQUID.

PHYSICAL PROPERTIES

BOILING POINT: 255 C

MELTING POINT: -48 C

FLASHPOINT 226F
107.77C

EXPLOSION LIMITS IN AIR:

UPPER 5.4 %

LOWER 0.9 %

VAPOR PRESSURE: 10 MMHG @ 130 C

SOLUBILITY:

WATER -Z1076

SLOWLY REACTS W

SPECIFIC GRAVITY: 1.045

EVAPORATION RATE: < 1

VAPOR DENSITY: 8.6 G/L

SWISS POISON CLASS: 5

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

STABILITY

STABLE.

CONDITIONS TO AVOID

MAY DECOMPOSE ON EXPOSURE TO MOIST AIR OR WATER.

INCOMPATIBILITIES

PROTECT FROM HEAT.

STRONG OXIDIZING AGENTS

STRONG ACIDS

STRONG BASES

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

SILICON OXIDE

HAZARDOUS POLYMERIZATION



MAY OCCUR.

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

ACUTE EFFECTS

CAUSES SKIN IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
CAUSES EYE IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY BE HARMFUL IF INHALED.
MAY BE HARMFUL IF SWALLOWED.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

CHRONIC EFFECTS

TARGET ORGAN(S):
EYES
KIDNEYS

RTECS #: UC0230000

1-PROPANOL, 3-(TRIMETHOXYSILYL)-, METHACRYLATE

IRRITATION DATA

SKN-RBT 500 MG/24H MLD	85JCAE -,1235,1986
EYE-RBT 500 MG/24H MLD	85JCAE -,1235,1986

TOXICITY DATA

ORL-RAT LD50:22600 UL/KG UCDS** 11/9/1967
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 - - - - -

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.
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 - - - - -



MATERIAL SAFETY DATA SHEET

IATA

Shipping Name: FLAMMABLE LIQUID, NOS

Hazard Class: 3

UN Number: 1993

Packing Group: II

IMO

Shipping Name: FLAMMABLE LIQUID, NOS

Hazard Class: 3

UN Number: 1993

Packing Group: II

RID/ADR

Shipping Name: FLAMMABLE LIQUID, NOS

Hazard Class: 3

UN Number: 1993

Packing group: II

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

EUROPEAN INFORMATION

EC INDEX NO: 607-134-00-4

IRRITANT

R 36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S 26

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

S 28

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF SOAP SUDS.

TLV AND SOURCE

FOR METHYL ALCOHOL - SKIN:

ACGIH TLV-TWA: 200 PPM (260 MG/M³); STEL: 250 PPM (310 MG/M³).

OSHA PEL: 8 H TWA 200 PPM (260 MG/M³); STEL: 250 PPM (310 MG/M³).

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOHS 1974: HZD T0118; NIS 3; TNF 64; NOS 6; TNE 966

NOES 1983: HZD T0118; NIS 36; TNF 2492; NOS 27; TNE 31238; TFE 7749

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA 8(A) PRELIMINARY ASSESSMENT INFORMATION, FINAL RULE

FEREAC 47,26992,82

EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES



MATERIAL SAFETY DATA SHEET

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

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

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE.

CHIYE ORGANIC SILICON MATERIAL(SHANGHAI) COMPANY SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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