



SANCON 100®

Epoxy Urethane Coating System

Designed for Sanitation Systems - High Build, Flexible, Non-Shrinking - Bonds to Damp Concrete
"Greenbook" Section 502-5.3

Product Description

Sancon 100 is a two coat protective coating system for concrete that uses a high adhesion and moisture tolerant epoxy base coat and a high build polyurethane elastomer top coat. The resulting system provides the adhesion of epoxy and the flexibility of polyurethane.

Recommended Uses

Sancon 100 was specifically developed for protecting concrete and steel surfaces exposed to the corrosive and abrasive environment of sanitary systems. The typical application involves coating below grade concrete in a live sewer condition.

Characteristics

The Sancon 100 system is a fast drying and fast curing protective lining which develops high bond strengths to both dry and damp concrete. It contains no solvents to evaporate; therefore, no drying shrinkage occurs.

Sancon 100 polyurethane remains flexible throughout its life, yet it is highly resistant to abrasion and impact.

Surface Preparation

Concrete: No surface preparation is required on clean concrete surfaces free from curing compounds, oils, existing coatings, or other foreign materials. Grit blasting is required where the coating is subject to immersion service.

Newly placed concrete or gunned mortar may be coated as soon as the initial set. Deteriorated concrete surfaces must be cleaned by high pressure water to sound concrete. The surface must be free of oil, grease, soft concrete or existing coatings.

Steel: Steel surfaces require grit blast to near white metal. (SSPC SP-10) Primer must be applied to a dust free surface prior to surface rust appearing.

Application

Concrete: Epoxy and polyurethane are applied through plural component equipment which mixes both components before the spray gun. Both materials are applied in one continuous coat until the desired thickness is reached. Recommended thickness for the epoxy coat is between 1 to 2 mils. Recommended thickness for the polyurethane is between 60 and 125 mils depending on the particular service requirements and the surface profile.

Application of the polyurethane must take place prior to the epoxy becoming tack free. Where the coating application cannot be completed in one continuous operation, or where a second coat of polyurethane is needed, a 1 to 2 mil thick prime coat of epoxy must be used for the adhesion of the polyurethane to the cured polyurethane.

Steel: Steel surfaces require polyurethane primer in lieu of epoxy. Primer thickness should be 1 to 2 mils. Recommended thickness on steel is between 40 to 60 mils.

Chemical Resistance @ 70°F

ACIDS

50% Sulfuric	I
43% Phosphoric	I
37% Hydrochloric	FC
50% Acetic	I
15% Chromic	FC
14% Nitric	FC

BASES

25% Sodium Hydroxide	I
20% Potassium Hydroxide	I
29% Ammonium Hydroxide	I

SALTS

20% Sodium Chloride	I
1% Ferric Chloride	I

HYDROCARBONS

Soaps and Detergents	I
Petroleum Oils	I
Vegetable Oils	I

Solvents	Not Recommended
Weathering	Discoloration, No Physical Degradation
I - Immersion	FC - Frequent Contact



SANCON 100®

Warranty

The technical data contained herein is accurate to the best of our knowledge. Sancon Engineering, Inc. warrants coatings that are presented herein meet their formulation standards. No other warranty is expressed or implied, including warranties of merchantability, fitness, and coverage for a particular purpose. Published technical data and instructions are subject to change without notice. Contact Sancon Engineering for current technical data, instructions, and chemical resistance.

PHYSICAL PROPERTIES

	Epoxy	Polyurethane
Type	Modified Amine	Aromatic
Components	2	2
Color	Purple	Tan
Application	Plural Spray	Plural Spray
Mixing Ratio	2:1	3:1
Pot Life, Mass	15 Minutes	0.5 Minutes
Standard Thickness	2-5 Mils	60-125 Mils
Cure To Tack Free	2 Hours @ 70°F	30 Min. @ 70°F
Minimum Cure Time for Submersion	4 Hours @ 70°F	4 Hours @ 70°F
Recoating Time	2 Hours @ 70°F	30 Min. @ 70°F
Application Surface Temperatures	50°F - 150°F	32°F - 150°F
Maximum Service Temperature	250°F Dry 140°F Wet	250°F Dry 140°F Wet
Typical Coverage on New Concrete	200 s.f./gal. @ 5 mils	1200 s.f./gal./mil
Combined Weight	9.6 lb./ gal.	10.8 lb./gal.
Flash Point	> 400°F	> 400°F
Thinning	None	None
Shelf Life	1 Year	1 Year
Transport Index	Non-Hazardous	Non-Hazardous

E: bids@sancon.com

P: 714.891.2323

F: 714.891.2524

<https://www.sancon.com>

5841 Engineer Dr.
Huntington Beach, CA 92649 USA

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CITY ENGINEER

1149 S. BROADWAY, SUITE 700
LOS ANGELES, CA 90015-2213

<http://eng.lacity.org>

September 24, 2021

Mr. Chuck Parsons, Vice President
Sancon Engineering, Inc.
5841 Engineer Drive
Huntington Beach, CA 92649

SUBJECT: APPROVAL OF SANCON 100 POLYURETHANE

BR800065

Dear Mr. Parsons:

Sancon 100 Type II liner corrosion barrier is now approved for direct application to brick surfaces, as well as application to concrete or mortar surfaces. This approval expires September 24, 2025. All work shall be constructed in accordance with the standard adopted by the Bureau of Engineering. Brick surfaces must be prepared in accordance with Sancon Manhole Rehabilitation and Sancon Quality Control Manual. See Sancon Manhole Rehabilitation and Sancon Quality Control Manual for additional requirements.

The City assumes no responsibility for any and all safety related issues in regard to the installation and use of this product. It is the responsibility of the installer to understand the appropriate use and limitations of this product and to address any and all safety concerns with the manufacturer. Further, it is the installer's responsibility to conform to all applicable industry and regulatory safety requirements.

If you would like your product to be listed on the Approved Product Tracking System after the approval expiration date, and the product's material formulation has not changed, you will need to comply with the approval renewal requirements for Type II Liners. You must submit the following at least 90 calendar days before the date on which your approval will expire: a letter verifying that there have been no changes to the material composition since the product was last tested by the City. The submittals will be evaluated by City engineering staff, and if they are considered satisfactory, a four-year extension will be granted.

Please be advised that any change in material must be reported to us for consideration of compliance with the specifications. If you have any questions, please contact Edward Arrington at (213) 485-1694. Please also maintain a copy of this approval for your record and provide one to the Contractor or other users in the field.

Sincerely,

Edward Arrington, S.E., ENV SP
Engineer of Design
Wastewater Conveyance Engineering Division
Bureau of Engineering

c.c File (w/attachment)
Victor Karayan,
Bureau of Contract Administration



SANCON TECHNOLOGIES, INC.

GENERAL ENGINEERING CONTRACTOR
STATE CONTRACTORS LICENSE #774055

Tel: (714) 891-2323
Fax: (714) 891-2524

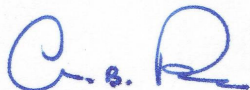
Sancon 100 Polyurethane and Epoxy Primer

Performance Data / Material Certification

Standard	Polyurethane	Epoxy Primer
Tensile Strength ASTM D 638, Type IV, psi	2,750	6,200
Elongation at Break, % ASTM D 638, IV	51	7
Wear Resistance, mg. wt. Loss Taber abrasion, CS-17 (500g/1000cy)	64	110
Hardness Shore D, Durometer ASTM D 2240	60 - 70	81
Tear Resistance, ppi ASTM D 624	153	N/A

I certify that Sancon 100 Polyurethane meets or exceeds the performance and test criteria outlined in Greenbook specification sections 210-2.3.3 & 500-2.4.1.

Test Performed by:



Chuck Parsons
Sancon Technologies, Inc

SANCON TECHNOLOGIES, INC.

Manhole Rehabilitation Submittal:

Scope of Work:

- Sancon Technologies will coordinate work so as not to interfere with City maintenance crews or disrupt normal sewer service. Manhole / structure rehabilitation will include the following phases: Traffic control, Preparation of substrate, Removal of existing manhole stairs, Mortar Repair, Application of epoxy primer, Lining with polyurethane & Spark Testing.

General:

- Sancon Technologies will furnish all labor, material and equipment necessary for all traffic control, preparation of surfaces, application of lining, safety procedures per Cal-OSHA Permit Required Confined Space Requirements, protection of existing utilities or surfaces and equipment / jobsite cleanup.

Access:

- The owner or prime contractor is responsible for marking, locating and arranging access to each manhole to be rehabilitated. Access should be provided for truck and towable spray equipment to be within 50' of each manhole unless otherwise specified.

Flow Control:

- Any flow control or bypass pumping necessary to perform manhole / structure rehabilitation will be the responsibility of the prime contractor. Night work may be necessary to take advantage of low flow conditions.

Surface Preparation:

- All concrete, brick or mortar surfaces to be lined will be waterblasted to remove all deteriorated concrete, oil, grease, or existing lining to produce a good sound, clean concrete or brick. All manhole steps / stairs will be removed.
- Waterblasting equipment will be capable of 10,000-psi. Cleaning will be accomplished with a minimum of 5,000-psi using no detergents, solvents or chemicals of any kind.
- All debris produced from the Waterblasting operation will be removed from the structure prior to lining. No debris will be allowed to enter the sewer system by use of debris containment devices. The concrete or brick surface will be air dried prior to lining application.

Debris Containment Devices:

- ¾" Marine grade plywood construction
- Two half moons sized to the diameter of the manhole base hinged together in the center with 3/16" holes in the wood to allow for draining the manhole into the sewer system.
- All debris will be shoveled up and removed by hand prior to proceeding with the mortar repair process.
- All debris will be properly disposed off site.

Bench Repair

- When bench resurfacing is required all loose concrete and spalled areas will be removed.
- Rapid set mortar will be hand troweled to provide a uniform and level bench.
- Channels and their transitions will be reshaped to optimize sewage flow and the use of sewer maintenance equipment.

Mortar Repair

- When wall resurfacing is required all loose concrete and spalled areas will be removed.
- Rapid set mortar will be hand troweled to the walls when a smaller area of patching is required.

Infiltration Control:

- All active structure infiltration must be eliminated prior to liner application. All grouting will be completed in accordance with NASSCO Specifications (Refer to 8th edition, January 1994 NASSCO Specification on manhole sealing (page 130 section 3a).

Primer:

- Prior to application of the lining, all surfaces will receive a 3-mil thickness of 100% solids non-solvented, moisture tolerant epoxy primer.

Liner Application:

- The lining application will be performed only by workmen trained and experienced with the specified material. The lining will be applied through plural component equipment specifically designed for this material. The equipment will be in good working order to insure correct proportioning and mixing of the components.
- The lining will be applied to a thickness of 125 mils (1/8 inch) in one continuous coat, without seams, free from any holes or defects. The lining will extend from the flow level to the base of ring and cover over dry concrete.

- Termination points of the coating at the base of the F&C as well as the in the channel will be done through a 1/4-inch deep x 1/4-inch keyway. Where manholes are lined through, the coating will terminate on the CIPP liner. The CIPP liner will be abraded to accept coating application.
- During lining application, Sancon will take wet gauge thickness readings as required to insure correct lining thickness.
- The uniform lining will be free from porosity, without bubbles or pinholes and uniform in color. All areas in question will be removed, reworked and patched.
- Application of the lining will not take place when exposed to rain, or high winds. Sancon Engineering will insure protection of the work from the above mentioned conditions.
- Structure can be returned to service within 4 hours of application

Lining Material:

- Sancon 100 Polyurethane manufactured by Sancon Engineering, Huntington Beach, California. This lining material meets or exceeds the requirements of 210-2.3.3 and 500-2.4.10 of the Standard Specifications pertaining to Chemical Resistance and Physical Properties.
- The cured lining color is cream. The complete lining will be impermeable to sewer gases and liquids and non-conductive to bacterial or fungus growth. The lining is capable of repair at any time during its life.
- See Attached Data Sheets for more detailed information on Sancon 100 Polyurethane.

Testing:

- Spark testing will be performed upon completion of lining installation and visual inspection.
- Spark testing voltage will be set at 15,000 volts.
- Spark testing equipment shall be Tinker and Razor APW or equivalent.
- Spark Testing shall be witnessed by inspection or other appropriate person
- Adhesion testing will be performed on 2 manholes and will be in accordance with section 502-5.3 of the Standard Specifications.
- Areas failing spark testing, and all adhesion testing locations will be repaired per section 10.7 of the Special Provisions.



Rapid Set® Mortar Mix — DATASHEET

Fast-Setting, High-Strength Mortar

PRODUCT DESCRIPTION:

When mixed with water MORTAR MIX produces a workable, high quality mortar that is ideal where rapid strength gain, high durability and low shrinkage are desired. Apply MORTAR MIX in thicknesses from 1/2-in to 6-in. Durable in wet environments. SETS IN 15 MINUTES & IS READY FOR TRAFFIC IN 1-HOUR. One 55 lb. bag of Rapid Set® Mortar Mix will yield approximately 0.5 cubic feet.

USES:

MORTAR MIX is a versatile product that can be used for general concrete repair, stucco & plaster repair, one-coat exterior plaster, mortar beds, underlayments, and formed work. MORTAR MIX is suitable for vertical and overhead applications.

COMPOSITION:

Rapid Set® Mortar Mix is a high performance blend of Rapid Set® hydraulic cement and quality sand. MORTAR MIX is non-metallic and no chlorides are added. Rapid Set® Mortar Mix is similar in appearance to portland cement based mortars and may be applied using similar methods.

COLOR:[Light Grey]

The final color of MORTAR MIX may vary due to application techniques and environmental conditions.

LIMITATIONS:

Not intended for applications over 6" deep, for deeper sections use Rapid Set® Concrete Mix. For overlay applications at least one test section should be prepared to evaluate the suitability of the materials and procedures.

TECHNICAL DATA:

- **Set Time**
ASTM C-191(Mod.) at 70°F
Initial Set 15-minutes
Final Set 35-minutes
- **Compressive Strength**
ASTM C-109 Mod.
Age Compressive Strength
1-hour* 2500-psi
3-hour 4000 -psi
7-day 5000 -psi
28-day 7000-psi
- **Slant Shear**
ASTM C-882 Mod.
1-day 1000-psi
28-day 2200-psi

* = After final set.

USING MORTAR MIX

SURFACE PREPARATION:

For repairs, adjacent surfaces shall be clean, sound and free from any materials that may inhibit bond such as oil, asphalt, curing compounds, acids, dirt and loose debris. Roughen surface and remove all unsound material. Immediately prior to placement the repair surface shall be thoroughly saturated with no standing water.

MIXING:

The use of a power driven mechanical mixer, such as a mortar mixer or a drill mounted mixer, is recommended. Organize work so that all personnel and equipment are in place before mixing. Use clean Potable water. Rapid Set® Mortar Mix may be mixed using 3 to 5 quarts of water per 55 lb. bag. Use less water to achieve higher strengths. Do NOT exceed 5 quarts of water per bag. For increased fluidity and workability use Rapid Set® FLOW CONTROL® plasticizing admixture from the Concrete Pharmacy®. Place the desired quantity of mix water into the mixing container. While the mixer is running add Rapid Set® Mortar Mix. Mix for the minimum amount of time required to achieve a lump-free, uniform consistency (usually 1 to 3 minutes). Do NOT re-temper.

PLACEMENT:

Rapid Set® Mortar Mix may be placed using traditional methods. Organize work so that all personnel and equipment are ready before placement. Place, consolidate and screed quickly to allow for maximum finishing time. Do NOT wait for bleed water, apply final finish as soon as possible. Rapid Set® Mortar Mix may be troweled, floated or texture finished. On flat work Do NOT install in layers, install full depth sections and progress horizontally. Do NOT install on frozen surfaces. Use a method of consolidation that eliminates air voids. To extend working time use Rapid Set® SET CONTROL® set retarding admixture.

CURING:

Water cure all Rapid Set® Mortar Mix installations. Begin curing as soon as the surface has lost its moist sheen. Keep exposed surfaces wet for a minimum of 1 hour. When experiencing extended setting times, due to cold temperature or the use of retarder, longer cure times may be required. The objective of water curing shall be to maintain a continuously wet surface until the product has achieved sufficient strength.

TEMPERATURE:

Warm environmental and materials temperatures will reduce the working time of MORTAR MIX. To compensate for warm temperatures, keep material cool and use chilled mix water. Temperatures below 70°F (21°C) will decrease the rate of strength gain and MORTAR MIX should not be applied if surface or ambient temperature is below 45°F (7.2°C).

LIMITED WARRANTY:

CTS Cement Manufacturing Corporation warrants its material to be of good quality, and, at its sole option, within one year from date of sale, will replace defective materials or refund the purchase price thereof and such replacement or refund shall be the limit of CTS's responsibility. Except for the foregoing, all warranties, express or implied including merchantability and fitness for a particular purpose are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the material.

CAUTION:

MORTAR MIX contains cementitious materials and may cause irritation to lungs, eyes and skin. Avoid contact. Use only in adequate ventilation. Do NOT breath dust. Wet mixture may cause burns. Wear suitable gloves, eye protection and protective clothing. In case of skin contact, wash thoroughly with soap and water. In case of eye contact, flush immediately and repeatedly with large quantities of water and get prompt medical attention. In case of difficulty breathing, remove person to fresh air. If difficulty breathing persists, seek medical attention.

Manufacturer:

CTS Cement Manufacturing Corporation
11065 Knott Avenue, Suite A
Cypress, CA 90630
Ph. 800- 929-3030
Fx. 714-379-8270

SANCON TECHNOLOGIES, INC.

GENERAL ENGINEERING CONTRACTOR
STATE CONTRACTORS LICENSE #774055

Tel: (714) 891-2323
Fax: (714) 891-2524

Sancon 100 Polyurethane Compatible Repair Mortar Products

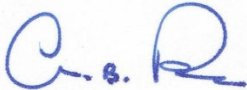
February 2, 2022

TO: Whom It May Concern

This letter serves to certify that the Sancon 100 Rehabilitation System is compatible with the following repair mortar products:

SikaTop 111 Plus
SikaTop 122 Plus
SikaTop 123 Plus
SikaRepair SHA
SikaRepair SHB
Rapid Set Mortar Mix
Quickrete Fastset Repair Mortar

Sincerely
SANCON TECHNOLOGIES, INC.



Chuck Parsons
President

MATERIAL SAFETY DATA SHEET

SECTION I — PRODUCT INFORMATION

SANCON 100

SANCON ENGINEERING, INC. **PHONE NUMBER: (714) 891-2323**
5841 ENGINEER DRIVE **CHEMICAL TRANSPORTATION EMERGENCY:**
HUNTINGTON BEACH, CA. 92649 **(800) 726-2664**

DATE OF PREPARATION: 9/7/04 SUPERSEDES: 5/24/95

PROPER SHIPPING NAME: Plastic Material liquid, N.O.I.

CONTAINS: NOT REGULATED

HAZARD CLASS.....: N.A.

UN NUMBER: N.A.

PACKAGING GROUP.....: N.A.

HAZARD LABEL(S): N.A.

HMIS CODES:

RATINGS:

HEALTH..... = 2 0 = MINIMAL 3 = SERIOUS

FLAMMABILITY = 1 1 = SLIGHT 4 = SEVERE

REACTIVITY..... = 0 2 = MODERATE

⇒ PERSONAL PROTECTION RATING TO BE SUPPLIED BY USER DEPENDING ON USE CONDITIONS.

SECTION II — PRODUCT/COMPOSITION

THE PRECISE COMPOSITION OF THIS PRODUCT IS PRIVILEGED INFORMATION. A MORE COMPLETE DISCLOSURE CAN BE PROVIDED TO A HEALTH, SAFETY, OR REGULATORY PROFESSIONAL IF REQUIRED.

NO.	COMPONENT	CAS. NO.	PERCENT
1	DIETHYLTOLUENEDIAMINE	68479-98-1	< 2%
2	DIBUTYL TIN DILAURATE	77-58-7	< 0.05%

NOTE: CONTAINS MATERIAL(S) REGULATED AS DUST HAZARDS, DISPERSED IN A NON-HAZARDOUS FORM. IF DUST IS RECREATED, APPROPRIATE RESPIRATORY AND/OR EXPLOSION PRECAUTIONS MUST STILL BE USED.

SECTION III — HAZARD STATUS

NO.	CANCER	REPRO-TOX	TARGET ORGANS	ACGIH/TLV	OSHA/PEL
1	NO	NO	UNKNOWN	N.A.mg/M ³	N.A.mg/M ³
2	NO	NO	ORGAN & CNS	N.A. mg/M3	N.A. mg/M3

SECTION IV — REGULATORY STATUS

A. CAL SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986

NO.	CHEMICAL NAME	CAS. NO.	CANCER/REPRO.TOX	QUANTITY

THIS PRODUCT MAY CONTAIN TRACES OF PROP. 65 LISTED CHEMICALS AS IMPURITIES. HOWEVER, NONE ARE USED AS INGREDIENTS.

B. CERCLA — 40 CFR 302.4

RELEASES EXCEEDING THE REPORTABLE QUANTITY (RQ) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. (800)424-8802

RQ NOT ESTABLISHED OR REQUIRED FOR THIS PRODUCT.

C. OSHA — 29 CFR 302.4

ACCORDING TO OSHA CRITERIA THE FOLLOWING COMPONENTS ARE HAZARDOUS:

1	DIETHYLTOLUENEDIAMINE	68479-98-1	< 2%
2	DIBUTYL TIN DILAURATE	77-58-7	< 0.05%

D. RCRA — 40 CFR 261.33

NOT A HAZARDOUS WASTE BY RCRA CRITERIA (40CFR261.20-24).

E. SARA TITLE III — 52 CFR 13378, 52 CFR 21152

NO.	RQ(lbs.) (•1)	TPQ(lbs.) (•2)	SEC.313 (•3)	313 CAT. (•4)	311/312 (•5)
1	NONE	NOT LISTED	NOT LISTED	NONE	H1
2	NONE	NOT LISTED	NOT LISTED	NONE	H1

OTHER SARA SUBSTANCE(S) IF PRESENT ARE ALL BELOW THE DE MINIMUS CONCENTRATION(S).

- 1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302
- 2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302
- 3 = TOXIC CHEMICAL, SEC. 313 (INDIVIDUAL CHEMICAL LISTED)
- 4 = TOXIC RELEASE INVENTORY FORM CATEGORY SEC. 313 (40 CFR 372.65 C)
- 5 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
- H1 = IMMEDIATE (ACUTE) HEALTH HAZARD H2 = DELAYED (CHRONIC) HEALTH HAZARD
- P3 = FIRE HAZARD P4 = SUDDEN PRESSURE RELEASE HAZARD P5 = REACTIVE HAZ.

F. TSCA — 44 CFR 59764

ALL COMPONENTS LISTED.

G. VOC — SCAQMD RULES

NO.	CHEMICAL	QUANTITY	VP mm HG	gms./l. @ 20°C
	NIL			

NOTE: THIS PRODUCT DOES NOT CONTAIN SOLVENTS, BUT MAY CONTAIN INGREDIENTS WITH VP'S LOW ENOUGH TO BE EMITTED IF HEATED ALONE. WHEN 2 PART RESINS AND HARDENERS ARE PROPERLY MIXED TOGETHER THESE INGREDIENTS REACT TOGETHER AND ARE CONSUMED WITHOUT SIGNIFICANT ATMOSPHERIC EMISSIONS.

SECTION V — PHYSICAL DATA

PHYSICAL STATE	LIQUID
COLOR.....	CREAM
SP. GR.	1.36
DENSITY	11.3 lbs./gal.

SECTION VI — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : ≥ 250°F (FOR PRODUCT OR LOWEST FLASH POINT INGREDIENT)
FLAMMABILITY CLASSIFICATION: COMBUSTIBLE CLASS (IIIB)
EXTINGUISHING MEDIA: WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM.
NOTE: EITHER ATMOSPHERE-SUPPLY OR AIR-PURIFYING RESPIRATORS SHOULD BE AVAILABLE FOR FIRE FIGHTERS (20 CFR 1910.134).

SECTION VII — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE:

- **EYES:** PRODUCT IS MODERATELY IRRITATING TO THE EYES.
- **SKIN:** PRODUCT IS MODERATELY IRRITATING TO THE SKIN AND MAY CAUSE SKIN SENSITIZATION.
- **INHALATION:** BECAUSE OF ITS LOW VOLATILITY THIS PRODUCT IS NOT LIKELY TO BE AN INHALATION HAZARD.
- **INGESTION:** PRODUCT IS CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

CHRONIC:

- NO SPECIFIC HAZARDS KNOWN TO SANCON. PREEXISTING EYE, SKIN OR LUNG DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY AND FIRST AID PROCEDURES:

- **EYES:** IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
- **SKIN:** WASH AFFECTED AREA IMMEDIATELY WITH LARGE AMOUNTS OF SOAP AND WATER. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. CONTACT A PHYSICIAN IF IRRITATION OCCURS.
- **INHALATION:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.
- **INGESTION:** DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VIII — REACTIVITY DATA

- **STABILITY:** STABLE UNDER NORMAL STORAGE CONDITIONS. UNSTABLE AT ELEVATED TEMPERATURES.
- **INCOMPATIBILITY:** STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL OR ORGANIC BASES.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** NITROGEN OXIDES, OXIDES OF CARBON AND OTHER UNKNOWN ORGANIC COMPOUNDS.

SECTION IX — SPILL OR LEAK PROCEDURES

- **IF MATERIAL IS SPILLED:** AVOID CONTACT WITH MATERIAL. PERSONS NOT WEARING PROPER PROTECTIVE EQUIPMENT (SEE BELOW) SHOULD BE EXCLUDED FROM THE AREA UNTIL CLEAN UP IS COMPLETE. DIKE AREA TO PREVENT SPILL SPREADING AND SCOOP UP EXCESS TO RECOVERY CONTAINERS. ABSORB REMNANT ON NONCOMBUSTIBLE MATERIAL SUCH AS CLAY AND SHOVEL INTO CONTAINERS FOR DISPOSAL.
- **WASTE DISPOSAL METHOD:** DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION X — SPECIAL PROTECTION INFORMATION

- **RESPIRATORY PROTECTION:** NOT NORMALLY NECESSARY UNLESS THE MATERIAL IS BEING USED IN SUCH A WAY AS TO PRODUCE DUST, MIST, VAPOR, FUMES, OR SMOKE, IN WHICH CASE NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE USED.
- **VENTILATION:** SHOULD BE SUFFICIENT TO CONTROL ANY DUST, MIST, VAPOR OR FUMES PRODUCED BY PROCESSING OR HANDLING METHOD. BREATHING OF VAPOR MUST BE AVOIDED.
- **HAND PROTECTION:** IMPERVIOUS GLOVES, NEOPRENE OR RUBBER GLOVES.
- **EYE PROTECTION:** SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
- **OTHER PROTECTIVE EQUIPMENT:** CLEAN, BODY COVERING CLOTHING AND FOOTWEAR.

SECTION XI — SPECIAL PRECAUTIONS

- AVOID SKIN AND EYE CONTACT.
- AVOID BREATHING VAPOR, MIST OR FUMES.
- ENSURE THAT ALL CONTAINERS ARE PROPERLY LABELED TO PREVENT ACCIDENTAL INGESTION OR IMPROPER DISPOSAL.
- RESEAL PARTLY USED CONTAINERS.
- WASH WITH SOAP AND WATER BEFORE EATING, DRINKING OR USING TOILET FACILITIES.
- STORE UNDER COOL, DRY CONDITIONS AND AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.
- OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICE.

We believe that the information contained herein is correct as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of SANCON, it is the user's obligation to determine the conditions of safe use of the product. SANCON makes no warranty, expressed or implied regarding the accuracy of these data. SANCON assumes no responsibility for injury from the use of the product described herein. Further, there are many federal, state, and local laws and regulations governing chemical products and it is beyond the scope of this MSDS to determine which of these apply and it is the responsibility of the user to determine how these effect their use of the product.

MATERIAL SAFETY DATA SHEET

SECTION I — PRODUCT INFORMATION

SANCON PRIMER A

SANCON ENGINEERING, INC. **PHONE NUMBER: (714) 891-2323**
5841 ENGINEER DRIVE **CHEMICAL TRANSPORTATION EMERGENCY:**
HUNTINGTON BEACH, CA. 92649 **(800) 726-2664**

DATE OF PREPARATION: 9/7/04 SUPERSEDES: 5/24/95

PROPER SHIPPING NAME: Plastic Material liquid, N.O.I.
CONTAINS : NOT REGULATED
HAZARD CLASS.....: N.A.
UN NUMBER: N.A.
PACKAGING GROUP.....: N.A.
HAZARD LABEL(S): N.A.

HMIS CODES: RATINGS:
HEALTH..... = 2 0 = MINIMAL 3 = SERIOUS
FLAMMABILITY = 1 1 = SLIGHT 4 = SEVERE
REACTIVITY..... = 0 2 = MODERATE

⇒ PERSONAL PROTECTION RATING TO BE SUPPLIED BY USER DEPENDING ON USE CONDITIONS.

SECTION II — PRODUCT/COMPOSITION

THE PRECISE COMPOSITION OF THIS PRODUCT IS PRIVILEGED INFORMATION. A MORE COMPLETE DISCLOSURE CAN BE PROVIDED TO A HEALTH, SAFETY, OR REGULATORY PROFESSIONAL IF REQUIRED.

NO.	COMPONENT	CAS. NO.	PERCENT
1	GLYCIDYL ETHER DILUENT	3101-60-8	< 8%

NOTE: CONTAINS MATERIAL(S) REGULATED AS DUST HAZARDS, DISPERSED IN A NON-HAZARDOUS FORM. IF DUST IS RECREATED, APPROPRIATE RESPIRATORY AND/OR EXPLOSION PRECAUTIONS MUST STILL BE USED.

SECTION III — HAZARD STATUS

NO.	CANCER	REPRO-TOX	TARGET ORGANS	ACGIH/TLV	OSHA/PEL
1	NO	NO	UNKNOWN	N.A.mg/M ³	N.A.mg/M ³

SECTION IV — REGULATORY STATUS

A. CAL SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986

NO.	CHEMICAL NAME	CAS. NO.	CANCER/REPRO.TOX	QUANTITY

THIS PRODUCT MAY CONTAIN TRACES OF, OR OTHER PROP. 65 LISTED CHEMICALS AS IMPURITIES. HOWEVER, NONE ARE USED AS INGREDIENTS.

B. CERCLA — 40 CFR 302.4

RELEASES EXCEEDING THE REPORTABLE QUANTITY (RQ) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. (800)424-8802

RQ NOT ESTABLISHED OR REQUIRED FOR THIS PRODUCT.

C. OSHA — 29 CFR 302.4

ACCORDING TO OSHA CRITERIA THE FOLLOWING COMPONENT(S) ARE HAZARDOUS:

1	GLYCIDYL ETHER DILUENT	3101-60-8	< 8%
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D. RCRA — 40 CFR 261.33

NOT A HAZARDOUS WASTE BY RCRA CRITERIA (40CFR261.20-24).

E. SARA TITLE III — 52 CFR 13378, 52 CFR 21152

NO.	RQ(lbs.) (•1)	TPQ(lbs.) (•2)	SEC.313 (•3)	313 CAT. (•4)	311/312 (•5)
1	NONE	NOT LISTED	NOT LISTED	NONE	H1

OTHER SARA SUBSTANCE(S) IF PRESENT ARE ALL BELOW THE DE MINIMUS CONCENTRATION(S).

- 1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302
- 2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302
- 3 = TOXIC CHEMICAL, SEC. 313 (INDIVIDUAL CHEMICAL LISTED)
- 4 = TOXIC RELEASE INVENTORY FORM CATEGORY SEC. 313 (40 CFR 372.65 C)
- 5 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
- H1 = IMMED. (ACUTE) HEALTH HAZARD H2 = DELAYED (CHRONIC) HEALTH HAZARD
- P3 = FIRE HAZARD P4 = SUDDEN PRESSURE RELEASE HAZARD P5 = REACTIVE HAZ.

F. TSCA — 44 CFR 59764

ALL COMPONENTS LISTED.

G. VOC — SCAQMD RULES

NO.	CHEMICAL	QUANTITY	VP mm HG	gms./l. @ 20°C
	NIL			

NOTE: THIS PRODUCT DOES NOT CONTAIN SOLVENTS, BUT MAY CONTAIN INGREDIENTS WITH VP'S LOW ENOUGH TO BE EMITTED IF HEATED ALONE. WHEN 2 PART RESINS AND HARDENERS ARE PROPERLY MIXED TOGETHER THESE INGREDIENTS REACT TOGETHER AND ARE CONSUMED WITHOUT SIGNIFICANT ATMOSPHERIC EMISSIONS.

SECTION V — PHYSICAL DATA

PHYSICAL STATE	LIQUID
COLOR.....	WHITE
SP. GR.	1.17
DENSITY	9.7 lbs./gal.

SECTION VI — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : ≥ 240°F (FOR PRODUCT OR LOWEST FLASH POINT INGREDIENT)
FLAMMABILITY CLASSIFICATION: COMBUSTIBLE CLASS (IIIB)
EXTINGUISHING MEDIA: WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM.
NOTE: EITHER ATMOSPHERE-SUPPLY OR AIR-PURIFYING RESPIRATORS SHOULD BE AVAILABLE FOR FIRE FIGHTERS (20 CFR 1910.134).

SECTION VII — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE:

- **EYES:** PRODUCT IS MODERATELY IRRITATING TO THE EYES.
- **SKIN:** PRODUCT IS MODERATELY IRRITATING TO THE SKIN AND MAY CAUSE SKIN SENSITIZATION.
- **INHALATION:** BECAUSE OF ITS LOW VOLATILITY THIS PRODUCT IS NOT LIKELY TO BE AN INHALATION HAZARD.
- **INGESTION:** PRODUCT IS CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

CHRONIC:

- NO SPECIFIC HAZARDS KNOWN TO SANCON. PREEXISTING EYE, SKIN OR LUNG DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY AND FIRST AID PROCEDURES:

- **EYES:** IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
- **SKIN:** WASH AFFECTED AREA IMMEDIATELY WITH LARGE AMOUNTS OF SOAP AND WATER. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. CONTACT A PHYSICIAN IF IRRITATION OCCURS.
- **INHALATION:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.
- **INGESTION:** DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VIII — REACTIVITY DATA

- **STABILITY:** STABLE UNDER NORMAL STORAGE CONDITIONS. UNSTABLE AT ELEVATED TEMPERATURES.
- **INCOMPATIBILITY:** STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES / ESPECIALLY ALIPHATIC AMINES.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON OXIDES, ALDEHYDES, ACIDS, PHENOLICS, AND OTHER UNKNOWN COMPOUNDS.

SECTION IX — SPILL OR LEAK PROCEDURES

- **IF MATERIAL IS SPILLED:** AVOID CONTACT WITH MATERIAL. PERSONS NOT WEARING PROPER PROTECTIVE EQUIPMENT (SEE BELOW) SHOULD BE EXCLUDED FROM THE AREA UNTIL CLEAN UP IS COMPLETE. DIKE AREA TO PREVENT SPILL SPREADING AND SCOOP UP EXCESS TO RECOVERY CONTAINERS. ABSORB REMNANT ON NONCOMBUSTIBLE MATERIAL SUCH AS CLAY AND SHOVEL INTO CONTAINERS FOR DISPOSAL.
- **WASTE DISPOSAL METHOD:** DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION X — SPECIAL PROTECTION INFORMATION

- **RESPIRATORY PROTECTION:** NOT NORMALLY NECESSARY UNLESS THE MATERIAL IS BEING USED IN SUCH A WAY AS TO PRODUCE DUST, MIST, VAPOR, FUMES, OR SMOKE, IN WHICH CASE NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE USED.
- **VENTILATION:** SHOULD BE SUFFICIENT TO CONTROL ANY DUST, MIST, VAPOR OR FUMES PRODUCED BY PROCESSING OR HANDLING METHOD. BREATHING OF VAPOR MUST BE AVOIDED.
- **HAND PROTECTION:** IMPERVIOUS GLOVES, NEOPRENE OR RUBBER GLOVES.
- **EYE PROTECTION:** SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
- **OTHER PROTECTIVE EQUIPMENT:** CLEAN, BODY COVERING CLOTHING AND FOOTWEAR.

SECTION XI — SPECIAL PRECAUTIONS

- AVOID SKIN AND EYE CONTACT.
- AVOID BREATHING VAPOR, MIST OR FUMES.
- ENSURE THAT ALL CONTAINERS ARE PROPERLY LABELED TO PREVENT ACCIDENTAL INGESTION OR IMPROPER DISPOSAL.
- RESEAL PARTLY USED CONTAINERS.
- WASH WITH SOAP AND WATER BEFORE EATING, DRINKING OR USING TOILET FACILITIES.
- STORE UNDER COOL, DRY CONDITIONS AND AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.
- OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICE.

We believe that the information contained herein is correct as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of SANCON, it is the user's obligation to determine the conditions of safe use of the product.

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MATERIAL SAFETY DATA SHEET

SECTION I — PRODUCT INFORMATION

SANCON PRIMER B

SANCON ENGINEERING, INC. **PHONE NUMBER: (714) 891-2323**
5841 ENGINEER DRIVE **CHEMICAL TRANSPORTATION EMERGENCY:**
HUNTINGTON BEACH, CA. 92649 **(800) 726-2664**

DATE OF PREPARATION: 9/7/04 SUPERSEDES: 5/24/95

PROPER SHIPPING NAME: Corrosive Liquid, N.O.S.

CONTAINS: MODIFIED AMINE MIXTURE

HAZARD CLASS.....: 8

UN NUMBER: UN1760

PACKAGING GROUP.....: III

HAZARD LABEL(S): Corrosive

HMS CODES:

RATINGS:

HEALTH..... = 3 0 = MINIMAL 3 = SERIOUS

FLAMMABILITY = 1 1 = SLIGHT 4 = SEVERE

REACTIVITY..... = 0 2 = MODERATE

⇒ PERSONAL PROTECTION RATING TO BE SUPPLIED BY USER DEPENDING ON USE CONDITIONS.

SECTION II — PRODUCT/COMPOSITION

THE PRECISE COMPOSITION OF THIS PRODUCT IS PRIVILEGED INFORMATION. A MORE COMPLETE DISCLOSURE CAN BE PROVIDED TO A HEALTH, SAFETY, OR REGULATORY PROFESSIONAL IF REQUIRED.

NO.	COMPONENT	CAS. NO.	PERCENT
1	MODIFIED AMINE MIXTURE	N.A.	< 100%
2	BENZYL ALCOHOL	100-51-6	< 30%
Ph	PHENOL	108-95-2	< 10 %

SECTION III — HAZARD STATUS

NO.	CANCER	REPRO-TOX	TARGET ORGANS	ACGIH/TLV	OSHA/PEL
1	NO	NO	LIVER, KIDNEYS, CNS	N.A.mg/M ³	N.A.mg/M ³
2	NO	NO	UNKNOWN	N.A. mg/M ³	N.A. mg/M ³
Ph	NO	NO	POISON	5 ppm	19 mg/M ³

SECTION IV — REGULATORY STATUS

A. CAL SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986

NO.	CHEMICAL NAME	CAS. NO.	CANCER/REPRO.TOX	QUANTITY

THIS PRODUCT MAY CONTAIN TRACES OF, OR OTHER PROP. 65 LISTED CHEMICALS AS IMPURITIES. HOWEVER, NONE ARE USED AS INGREDIENTS.

B. CERCLA — 40 CFR 302.4

RELEASES EXCEEDING THE REPORTABLE QUANTITY (RQ) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. (800)424-8802

RQ = 100lbs. (UNLISTED HAZARDOUS WASTE - CHARACTERISTIC OF CORROSIVITY)

C. OSHA — 29 CFR 302.4

ACCORDING TO OSHA CRITERIA THE FOLLOWING COMPONENT(S) ARE HAZARDOUS:

1	MODIFIED AMINE MIXTURE	N.A.	< 100%
2	BENZYL ALCOHOL	100-51-6	< 30%
Ph	PHENOL	108-95-2	< 10 %

D. RCRA — 40 CFR 261.33

PHENOL (CAS 108-95-2) PRESENT @ < 10% IS A RCRA U188 WASTE.

E. SARA TITLE III — 52 CFR 13378, 52 CFR 21152

NO.	RQ(lbs.) (•1)	TPQ(lbs.) (•2)	SEC.313 (•3)	313 CAT. (•4)	311/312 (•5)
1	NONE	NOT LISTED	NOT LISTED	NONE	H1,H2
2	N.A.	N.A.	NO	YES	H1
Ph	1,000 #	500#	YES	NONE	H1,P3

OTHER SARA SUBSTANCE(S) IF PRESENT ARE ALL BELOW THE DE MINIMUS CONCENTRATION(S).

- 1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302
- 2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302
- 3 = TOXIC CHEMICAL, SEC. 313 (INDIVIDUAL CHEMICAL LISTED)
- 4 = TOXIC RELEASE INVENTORY FORM CATEGORY SEC. 313 (40 CFR 372.65 C)
- 5 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
- H1 = IMMED. (ACUTE) HEALTH HAZARD H2 = DELAYED (CHRONIC) HEALTH HAZARD
- P3 = FIRE HAZARD P4 = SUDDEN PRESSURE RELEASE HAZARD P5 = REACTIVE HAZ.

F. TSCA — 44 CFR 59764

ALL COMPONENTS LISTED.

G. VOC — SCAQMD RULES

NO.	CHEMICAL	QUANTITY	VP mm HG	gms./l. @ 20°C
	NIL			

NOTE: THIS PRODUCT DOES NOT CONTAIN SOLVENTS, BUT MAY CONTAIN INGREDIENTS WITH VP'S LOW ENOUGH TO BE EMITTED IF HEATED ALONE. WHEN 2 PART RESINS AND HARDENERS ARE PROPERLY MIXED TOGETHER THESE INGREDIENTS REACT TOGETHER AND ARE CONSUMED WITHOUT SIGNIFICANT ATMOSPHERIC EMISSIONS.

SECTION V — PHYSICAL DATA

PHYSICAL STATE	LIQUID
COLOR.....	AMBER
SP. GR.	1.06
DENSITY	8.8 lbs./gal.

SECTION VI — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : $\geq 210^{\circ}\text{F}$ (FOR PRODUCT OR LOWEST FLASH POINT INGREDIENT)
FLAMMABILITY CLASSIFICATION: COMBUSTIBLE CLASS (IIIB)
EXTINGUISHING MEDIA: WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM.
NOTE: EITHER ATMOSPHERE-SUPPLY OR AIR-PURIFYING RESPIRATORS SHOULD BE AVAILABLE FOR FIRE FIGHTERS (20 CFR 1910.134).

SECTION VII — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE:

- **EYES:** CAUSES SEVERE CONJUNCTIVAL IRRITATION, CORNEAL INJURY AND IRITIS.
- **SKIN:** MAY CAUSE IRRITATION, BURNS, ULCERATION, OR SKIN SENSITIZATION.
- **INHALATION:** VAPORS ARE IRRITATING AND MAY CAUSE TEARS, BURNING OF NOSE AND THROAT, COUGHING, WHEEZING, NAUSEA, AND VOMITING.
- **INGESTION:** MODERATELY TOXIC, MAY CAUSE MOUTH AND THROAT BURNS, ABDOMINAL PAIN, NAUSEA, VOMITING, WEAKNESS, THIRST, AND COMA.

CHRONIC:

- AMINE VAPORS MAY CAUSE LIVER & KIDNEY INJURY. EYE, SKIN OR LUNG DISORDERS MAY DEVELOP OR BE AGGRAVATED BY AMINES.

EMERGENCY AND FIRST AID PROCEDURES:

- **EYES:** IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
- **SKIN:** WASH AFFECTED AREA IMMEDIATELY WITH LARGE AMOUNTS OF SOAP AND WATER. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. CONTACT A PHYSICIAN IF IRRITATION OCCURS.
- **INHALATION:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.
- **INGESTION:** DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VIII — REACTIVITY DATA

- **STABILITY:** STABLE UNDER NORMAL STORAGE CONDITIONS. UNSTABLE AT ELEVATED TEMPERATURES.
- **INCOMPATIBILITY:** STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** OXIDES OF CARBON AND NITROGEN AND OTHER UNKNOWN ORGANIC COMPOUNDS.

SECTION IX — SPILL OR LEAK PROCEDURES

- **IF MATERIAL IS SPILLED:** AVOID CONTACT WITH MATERIAL. PERSONS NOT WEARING PROPER PROTECTIVE EQUIPMENT (SEE BELOW) SHOULD BE EXCLUDED FROM THE AREA UNTIL CLEAN UP IS COMPLETE. DIKE AREA TO PREVENT SPILL SPREADING AND SCOOP UP EXCESS TO RECOVERY CONTAINERS. ABSORB REMNANT ON NONCOMBUSTIBLE MATERIAL SUCH AS CLAY AND SHOVEL INTO CONTAINERS FOR DISPOSAL.
- **WASTE DISPOSAL METHOD:** DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION X — SPECIAL PROTECTION INFORMATION

- **RESPIRATORY PROTECTION:** NOT NORMALLY NECESSARY UNLESS THE MATERIAL IS BEING USED IN SUCH A WAY AS TO PRODUCE DUST, MIST, VAPOR, FUMES, OR SMOKE, IN WHICH CASE NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE USED.
- **VENTILATION:** SHOULD BE SUFFICIENT TO CONTROL ANY DUST, MIST, VAPOR OR FUMES PRODUCED BY PROCESSING OR HANDLING METHOD. BREATHING OF VAPOR MUST BE AVOIDED.
- **HAND PROTECTION:** IMPERVIOUS GLOVES, NEOPRENE OR RUBBER GLOVES.
- **EYE PROTECTION:** SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
- **OTHER PROTECTIVE EQUIPMENT:** CLEAN, BODY COVERING CLOTHING AND FOOTWEAR.

SECTION XI — SPECIAL PRECAUTIONS

- AVOID SKIN AND EYE CONTACT.
- AVOID BREATHING VAPOR, MIST OR FUMES.
- ENSURE THAT ALL CONTAINERS ARE PROPERLY LABELED TO PREVENT ACCIDENTAL INGESTION OR IMPROPER DISPOSAL.
- RESEAL PARTLY USED CONTAINERS.
- WASH WITH SOAP AND WATER BEFORE EATING, DRINKING OR USING TOILET FACILITIES.
- STORE UNDER COOL, DRY CONDITIONS AND AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.
- OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICE.

We believe that the information contained herein is correct as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of SANCON, it is the user's obligation to determine the conditions of safe use of the product.

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