Product Name: Super 20
Revision Date 06/22/12

SAFETY DATA SHEET

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation) and Regulation (EC) No 1272/2008 (CLP)

SECTION 1 Product and Company Identification

Product
Product Name: Super 20
Product Description: Penetrating, Waterproofing Sealer
Intended Use: Acrylic cementitious sealer

Company
Manufacturer: SureCrete Design Products, Inc.
15246 Citrus Country Drive
Dade City, FL 33523
USA
Contact: 352-567-7973 (telephone general)
813-469-1408 (telephone 24 hour emergency)
813-469-1419
info@surecretedesign.com (e-mail)
352-521-0973 (facsimile)

SECTION 2 Hazards Identification

According to EC Directive 2001/59/EC
Most Important Hazards
Physical / Chemical Hazards: R10; Flammable
Health Hazards: R20/21: Harmful by inhalation and in contact with skin
R38: Irritating to skin

GHS – Classification
Physical / Chemical Hazards: H226 Flammable liquid and vapor
Health Hazards: H312: harmful in contact with skin
H315: causes skin irritation
H332: harmful if inhaled

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Xylene	1330-20-7	215-535-7	<45%
Aromatic Hydrocarbon	64742-95-6	265-192-2	<20%
Odorless Mineral Spirits	64742-48-9	ND	<5%
Tert-Butyl Acetate	540-88-5	208-760-7	<15%
Non Hazardous			
Acrylic Copolymer		REACH exempted	<25%

SECTION 4 First Aid Measures

Eye Contact: Rinse with running water for 15 mins. Hold eyelids apart while irrigating.

Skin Contact: Wash affected area thoroughly with soap and water. Wash clothing before reuse.

Inhalation: Move to fresh air. Administer artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical attention

Ingestion: Get medical attention immediately. Do not induce vomiting.

SECTION 5 Fire Fighting Measures

Extinguishing Media

Appropriate: Foam, CO_2, Dry chemical, water fog
Inappropriate: Solid streams of water

Special Fire Fighting Procedures: Water may be ineffective in fighting fire. If water is used to cool containers, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus required.

Unusual Fire and Explosion Hazard: Vapors are heavier than air and may travel along the ground to a remote source of ignition. Overexposure to decomposition products may cause health hazard that is not readily apparent. Obtain medical attention. Never use cutting torches or welding equipment on “empty” containers.

Flammability Properties

Flash Point (Method): 27°C / 81°F
Flammable Limits (Approximate volume % in air): LEL: 1.1 UEL: 7.0
Autoignition Temperature: >450°C / 842°F

SECTION 6 Accidental Release Measures

Personal precautions: Wear protective clothing. Avoid contact with skin. Avoid breathing vapors. Remove all potential sources of ignition. Evacuate personnel to safe areas. Vapors may accumulate to form explosive concentrations. Vapors may collect in low areas.

Environmental precautions: Prevent entry into waterways or confined areas.

Methods for clean-up: Absorb spill onto sand, vermiculite, or any other inert, non-combustible material. Scoop into containers for later appropriate disposal.

SECTION 7 Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Avoid handling of vapor or mist. Do not permit eating, drinking, smoking near material. Remove all potential sources of ignition.

Storage: Keep containers tightly closed, in dry, cool, well ventilated place. Do not store together with strong oxidizing agents.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values: TLV –ACGIH 100 ppm (TWA), 150 ppm (STEL)
OSHA-PEL 100 ppm (TWA)
MAK-GER 440 mg/m□ (TWA)
REL-NIOSH 100 ppm (TWA), 150 ppm (STEL)

Occupational exposure controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Respiratory protection: Wear suitable NIOSH approved respirator when ventilation is inadequate
Hand protection: Chemically compatible gloves
Eye protection: Safety glasses with side shields
Skin protection: Minimize skin contact with appropriate long-sleeved clothing
Hygiene measures: Observe good industrial hygienic practices. Frequently launder or discard proactive clothing, equipment.

Environmental exposure controls: Emissions from work process equipment should be checked against requirements of appropriate environmental protection legislation. In some cases alteration to work process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9 Physical and Chemical Properties

General

Physical state: liquid
Color: varies / determined by pigment
Odor: characteristic aromatic

Safety Data

pH: not available
Boiling point: ~140°C / 280°F
Flash point: 27°C / 81°F
Flammable limits (approximate volume % in air): LEL: 1.26 UEL: 7.0
Autoignition temperature: >450°C / 842°F
Vapor pressure (mm Hg.): 9mm/Hg @ 20°C / 68°F
Water solubility: negligible
Vapor density (air = 1): >1
Specific gravity (water = 1): 1.06
VOC: <400 g/L
Oxidizing properties: not applicable
Explosive properties: not applicable

Other Information

Freezing Point: -54°C / -65°F
Hygroscopic: no

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions

Conditions to avoid: heat, flame, sparks, other sources of ignition

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: material does not decompose at ambient temperatures

Hazardous polymerization: will not occur

SECTION 11 Toxicological Information

Acute Toxicity

Route of Exposure	**Conclusion / Remarks**
Inhalation	
Toxicity : LC50 > 5000 ppm	Minimally toxic based on available literature
Irritation: data available	Elevated temperatures or mechanical action may form vapors, mist, or fumes that may be irritating to the eyes, nose, throat, or lungs based on available literature
Ingestion	
Toxicity: LD50 > 4300 mg/kg	Minimally toxic based on available literature
Skin	
Toxicity: LD50 > 4320 mg/kg	Minimally toxic based on available literature
Irritation: data available	Irritating to the skin based on available literature
Eye	
Irritation: data available	Moderately irritating to the eyes based on available literature

Chronic / Other Effects

Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects. Small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause chemical pneumonitis or pulmonary edema. Very high exposures (confined space or abuse) to light hydrocarbons may result in abnormal heart rhythm. Concurrent high stress levels and / or co-exposure to high levels of hydrocarbons (above occupational exposure limits) and exposure to heart stimulating substances like epinephrine, nasal decongestants, asthma drugs, or cardiovascular drugs may initiate arrhythmias. Studies have revealed carcinogenicity in laboratory animals. The relevancy of these findings to humans is uncertain.

SECTION 12 Ecological Information

Ecotoxicity: Material expected to be toxic to aquatic organisms

Mobility: Material highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids

Persistence and degradability

Biodegradation: expected to be readily biodegradable
Atmospheric oxidation: expected to degrade rapidly in atmosphere
Bioaccumulation potential: very low potential to bioaccumulate
Other: material is VOC

SECTION 13 Disposal Considerations

Methods of disposal: waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Hazardous waste: European waste code 14 06 03. The material is considered as hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that directive unless Article 1(5) of the Directive applies.

Section 14 Transport Information

International transport regulations

Regulatory Information	*UN number*	*Proper shipping name*	*Class*	*Packing group*	*Additional information*	*Marine pollutant*
ADR/RID class	1263	Paint related material	3	III		NA
IMDG class	1263	Paint related material	3	III	EMS-No: F-E, S-D	No
IATA class	1263	Paint related material	3	III		NA

National Fire Protection Association Hazard Ratings (NFPA)

Health hazard 2
Flammability 3
Stability 0

SECTION 15 Regulatory Information

US FEDERAL

OSHA Hazards: Combustible liquid

TSCA Inventory Listing: listed or exempt

SARA 302 Status: no chemicals to report

SARA 311/312 Classification: "Fire hazard"

SARA 313 Chemical: none to report

CERCLA Hazardous Substance: none

WHIMS: Class B, Division 3: Combustible liquid

EU

Material is dangerous as defined by the EU Dangerous Substances / Preparations Directives

Risk phrases: R10: flammable
R38: irritating to skin
R20/21: harmful by inhalation and contact with skin

Safety advice: S02: keep out of reach of children
S25: Avoid contact with skin

Dangerous as defined by EU CLP 2008:

Physical/chemical properties:

Flammable liquids: flam. liquid 3: H226: flammable liquid and vapor

Health hazards:

Skin corrosion / irritation: skin irrit. 2: H315: causes skin irritation
Acute toxicity – inhalation: acute tox. Cat. 4: H332: harmful if inhaled
Acute toxicity – dermal: acute tox. Cat. 4: H312: harmful in contact with skin

Precautionary statements

P210: keep away from heat, sparks, open flame, hot surfaces / no smoking
P243: take precautionary measures against static discharge.
P261: avoid breathing dust, fumes, gas, mist, vapor, spray
P280: wear protective gloves, clothing, eye and face protection
P303+P361+P353: if on skin / hair: remove / take off immediately all contaminated clothing; rinse with water

INTERNATIONAL REGULATIONS

AICS: listed

MITI: listed

DSL / NDSL: listed

EINECS: listed

PICCS: listed

Korean, China Inventory List: listed

STATE REGULATIONS

California Prop.65: This product contains trace elements known to the State of California to cause cancer, birth defects, or reproductive harm. California law requires the manufacturer to give the above warning in the absence of definitive testing to prove the defined risks do not exist.

SECTION 16 Other Information

Hazard Ratings

	health	*flammability*	*reactivity*
HMIS	1	2	0
NFPA	1	2	0

Full text of R-phrases referred to in section 2:

R10: flammable
R11: highly flammable
R38: irritating to skin
R20: harmful by inhalation
R20/21: harmful by inhalation and in contact with skin

Full text of hazard statements referred to in section 2:

H225: highly flammable liquid and vapor
H226: flammable liquid and vapor
H332: harmful if inhaled
H312: harmful in contact with skin
H315: causes skin irritation

Recommended restriction: for use by trained professionals, having read the complete MSDS

Key Legend:

ACGIH – American Conference of Governmental Industrial Hygienists
HMIS - National Paint and Coating Hazardous Materials Identification System
NFPA – National Fire Protection Agency
OSHA – Occupational Safety and Health Administration
WHIMS – Workplace Hazardous Materials Information System
AICS – Australian Inventory of Chemical Substances
MITI – Japanese Ministry of Trade and Industry Inventory Listing
DSL – Canadian Domestic Substance List
NDSL - Canadian Non-domestic Substance List
EINECS – European Inventory of Existing Commercial Chemical Substances Listing
PICCS – Philippines Inventory List
NTP – National Toxicology Program
IARC – International Agency for Research on Cancer
R – Risk Phrases
S – Safety Phrases

Date of printing 09/13/2011

According to Regulation (EC) No. 1907/2006 (REACH), Annex II, Commission Directive 2001/59/EC and REGULATION (EC) No. 1272/2008 (CLP)

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