

MATERIAL SAFETY DATA SHEET

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

N/A= Not Applicable  
Effective Date: 9/09 Revision: n/a

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

Product Name: CRYSTAL CLEAR Encapsulating Carpet Cleaner  
Generic Name: Carpet Cleaner  
Chemical Family: Solvent Detergent Blend  
Formula: Proprietary

Supplier's Name: Tandus  
Supplier's Address: 1735 Cleveland Highway Blvd.  
Dalton, GA 30722  
Supplier's Phone #: 800-241-4902

**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Diethylene Glycol Butyl Ether	112-34-5	5 to 10			
Sodium Octanesulfonate	5324-84-5	0 to 5			
Acrylic Copolymer dispersion	25035-81-8	0 to 5			
EDTA	64-02-8	0 to 5			
DuPont Zonyl® Fluorocarbon	NJTS Registry # 00850201001-5230P	0 to 5			

**SECTION 3-PHYSICAL DATA**

Boiling Point (°F): 212° F. Specific Gravity: 1.030  
Vapor Pressure: 20mm Hg @ 68 F. Vapor Density (Air=1): >1  
% Volatile: 85+ pH: 8.0-9.0  
Solubility in Water: Complete Evaporation Rate (Water=1): <1  
Physical Description: Thin liquid with characteristic odor.  
VOC Content: None

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): >200° F (TCC)  
Upper Explosion Limit: N/A Lower Explosion Limit: N/A  
Extinguishing Media: Not required  
Special Firefighting Procedures: None required  
Unusual Fire and Explosion Hazards: Drums heated by fire may explode.

**SECTION 5-REACTIVITY DATA**

Stability: Stable Hazardous Polymerization: None  
Hazards Decomposition Products: None Incompatibility (Materials to Avoid): Strong acids, oxidizing agents

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear protective gloves and eyewear when handling concentrate. Avoid breathing of vapor. Use in well-ventilated area.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
Skin: Slight skin irritant. May cause moderate reddening. Dermatitis from prolonged or repeated contact.  
Eyes: Eye irritant. Redness and tearing initially. Mists may damage eyes with prolonged contact.  
Inhalation: Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.  
Ingestion: Irritating to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea.  
**First Aid Procedures:**  
Skin: Flush with water. Seek medical attention if irritation persists.  
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.  
Inhalation: Remove victim to fresh air. Seek medical attention if irritation persists.  
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Use in well-ventilated area.  
Ventilation Requirements: General ventilation acceptable  
Protective Gloves: Chemical resistant rubber or neoprene.  
Eye Protection: Safety glasses or chemical splash goggles when handling concentrate.  
Other Protective Equipment: None

**SECTION 9-SPILL OR LEAK PROCEDURES**

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to storm sewer or open waterways. Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash. Consult local or state environmental officials for further information.

**SECTION 10-REGULATORY INFORMATION**

SARA Title III - Section 311/312 -Hazard Categories:  
No - Fire Hazard  
No - Sudden Release of Pressure Hazard  
No - Reactivity Hazard  
Yes - Immediate (acute) Health Hazard  
No - Delayed (chronic) Health Hazard

Shipping Information:  
FOR CONTAINERS > 1 Gallon : Cleaning Compound  
FOR 1 GALLON CONTAINERS : Cleaning Compound  
FOR CONTAINERS < 1 GALLON : Cleaning Compound

**HMS Hazardous Materials Identification System**

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)  
This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

Name: C&A Floorcoverings  
SYON-5

## II. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Percent
Material		
WATER	7732-18-5	>90
ANIONIC SURFACTANT	_____	_____
BACTERICIDE	_____	_____
TERPENE HYDROCARBONS	_____	_____

## III. HMIS (0 = minimal hazard; 4 = severe hazard):

Health = 1 Flammability = 0 Reactivity = 0

## IV. PHYSICAL PROPERTIES

No Optical Brighteners  
Vapor Density (Air=1): = Water  
Boiling Point: 100°C  
Melting Point: N/A  
Specific Gravity: 1.02  
Solubility in Water: 100%  
Vapor Pressure: = Water  
Evaporation Rate (Butyl Acetate - 1): 0.10  
Appearance & Odor: Clear Solution, Terpene like  
pH: 7.0

## V. FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE PROPERTIES: Non-flammable. EXTINGUISHING MEDIA: Appropriate for surrounding media. SPECIAL FIRE FIGHTING PROCEDURES: None required. DOT CATEGORY: Not regulated.

## VI. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE: EYES: May irritate eyes. SKIN: Very mild irritant. Prolonged or repeated contact may lead to dermatitis. INHALATION: May be irritant. INGESTION: Will cause abdominal pain and nausea. CHRONIC (CANCER) INFORMATION: None of the components present in this material at concentrations of 0.1% or greater are listed by IARC, NTP, OSHA, ACGIH as carcinogens. FIRST AID PROCEDURES: EYES: Flush with water for at least 15 minutes. Seek medical attention if required. SKIN: Remove contaminated clothing. Wash with soap and water. Refer to physician if irritation develops or symptoms persist. INHALATION: Remove to fresh air, if needed. Seek medical attention if required. INGESTION: Drink two glasses of water. Induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention. NOTICE TO PHYSICIAN: Treat asymptotically.

## VII. REACTIVITY DATA

STABILITY: Stable under normal conditions  
INCOMPATIBILITY (Materials to avoid): Oxidizing Materials  
HAZARDOUS POLYMERIZATION: Will not occur

## VIII. REGULATORY INFORMATION

U.S. Federal Regulations  
TSCA Inventory Status: Reported / Included  
Canadian SDL Status: Included



Tandus

C & A

A TANDUS COMPANY

SYON-5

Updated: 3/09

C&A Floorcoverings  
P.O. Box 1447 · 1000 Vista Drive  
Dalton, GA 30721  
Emergency Telephone: 1 (800) 424-9300  
Information Telephone: 1 (706) 259-9711  
International Emergency:  
Call USA 202-483-7616

## IX. SPILL & DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:  
Use absorbent material to collect and contain for salvage or disposal. Mop up and clean area with water. Use appropriate personal protective equipment during clean up. WASTE DISPOSAL: Abide by all state, federal and local regulations regarding treatment, storage, transportation and disposal. Keep out of sewer and waterways. AQUATIC TOXICITY: Expected to be negligible. TOXICOLOGICAL INFORMATION: No toxicity is available on this specific preparation. Based on the toxicity of the components material is expected to be a skin and eye irritant.

## X. SPECIAL HANDLING INFORMATION

VENTILATION: Use local exhaust. RESPIRATORY PROTECTION: A breathing mask may be required to avoid exposure to mist if sprayed. SKIN AND EYE PROTECTION: The use of safety glasses and gloves is recommended. Goggles may be required to avoid exposure to mist if sprayed. Wash thoroughly after handling. STORAGE: Store in clean, dry area.

## XI. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not puncture. Shelf life is one year. KEEP OUT OF REACH OF CHILDREN.

## XII. OTHER INFORMATION

State Right-to-Know Laws: No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except those specifically listed below:

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: None Known. WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None Known.

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