

**1. CHEMICAL NAME AND COMPANY IDENTIFICATION**

**Formulated/Manufactured By:** Tower Products, Inc.  
2703 Freemansburg Avenue  
Easton, PA 18045

**Information Telephone Number:** 1-800-527-8626 or 610-253-6206

**For Chemical Spill Emergency Call:** CHEMTREC: 1-800-424-9300

**Product Name:** SMARTFLEX LOW VOC UV CLEANER

**CAS Number:** Mixture - Not Established

**2. HAZARDS IDENTIFICATION****GHS Classification**

Skin Irritation (Category 3)  
Eye Irritation (Category 2A)

**GHS label elements, including hazard and precautionary statements**

Pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

H316: CAUSES MILD SKIN IRRITATION.  
H319: CAUSES SERIOUS EYE IRRITATION.

Precautionary statement(s)

Prevention:

P280: WEAR EYE PROTECTION/FACE PROTECTION.  
P264: WASH SKIN THOROUGHLY AFTER HANDLING.

Response:

P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER.  
P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

Storage:

P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

Disposal:

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

**HMIS Classification**

Health Hazard: 1

Flammability: 0

Physical Hazard: 0

Personal Protection: B

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component(s)</u>	<u>CAS Number</u>	<u>Concentration (weight)</u>
Sodium Xylene Sulfonate	1300-72-7	1-10%
2-Butoxy Ethanol	111-76-2	1-10%
Dipropylene Glycol Monomethyl Ether	34590-94-8	1-10%
*Versene 100	XXXXXX	1-10%
Nonylphenol Ethoxylated	9016-45-9	1-10%

\*Registered Trademark blend of The Dow Chemical Company.

In accordance with paragraph (i) of §1910.1200, specific chemical identities and exact chemical percentages (concentration) of composition have been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Exposure Routes:** Inhalation, Ingestion, Skin

**Eye Contact:** Flush with large volume of water for at least 15 minutes. Get immediate medical attention.

**Inhalation:** Remove to fresh air. Get immediate medical attention.

**Ingestion:** Get immediate medical attention. Do not induce vomiting.

**Skin Contact:** Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** N/A.

**Specific Hazards:** N/A.

**Special protective equipment for fire-fighters:** N/A.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions and protective equipment:**

**Respiratory Protection:** Use supplied air equipment or respirators with proper NIOSH approved cartridges.

**Protective Gloves:** Impervious or chemical resistant gloves (consult safety equipment supplier).

**Eye Protection:** Chemical splash goggles recommended against potential eye contact.

**Other Protective Clothing and Equipment:** Safety shoes and aprons recommended.

**Methods for Clean-Up:**

**Minor Spills:** Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.

**Major Spills:** Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.

**7. HANDLING AND STORAGE**

**Handling:** Use only plastic or stainless steel pumps or faucets. Empty containers can be hazardous. Do not reuse containers.

**Storage:** Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use. FREEZABLE.

## SAFETY DATA SHEET

SMARTFLEX LOW VOC UV CLEANER

DATE: 5/24/2017

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

<b>Exposure Guidelines:</b>	<b>OSHA</b>	<b>ACGIH</b>	<b>ACGIH</b>	<b>OTHER</b>	
<b>COMPONENT</b>	<b>CAS No.</b>	<b>PEL/TWA</b>	<b>TLV/TWA</b>	<b>TLV/STEL</b>	<b>RATING</b>
Sodium Xylene Sulfonate	1300-72-7	N/E	N/E		
2-Butoxy Ethanol	111-76-2	50ppm	20ppm		
Dipropylene Glycol Monomethyl Ether	34590-94-8	100ppm(skin)	100ppm(skin)	150ppm(skin)	
*Versene 100	XXXXX	N/E	N/E		
Nonylphenol Ethoxylated	9016-45-9	N/E	N/E		

Significant potential for dermal (skin) absorption.

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**Exposure controls:** Avoid open electrical sources near product vapor areas.

**Personal Protection Equipment:**

**Eyes:** Chemical splash goggles recommended.

**Skin and body:** Impervious or chemical resistant gloves (consult safety equipment supplier).

**Respiratory:** Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Pale yellow liquid.

**Odor:** Detergent odor.

**pH:** (Approximate) 8.5 - 9.5

**Melting point:** N/A

**Boiling Point:** 212° F

**Flash Point:** None

**Flammable Limits:**

**LEL:** N/A

**UEL:** N/A

**Vapor Pressure:** (mmHg) N/A

**Vapor Density:** (Air = 1) N/A

**Specific Gravity:** (Water = 1) 1.01

**Solubility in water:** Complete

**Maximum VOC Content:** 0.76 Lbs/G (92 Gm/L)

**Maximum VOC %:** 10%

**Odor Threshold:** N/A

**Evaporation Rate:** N/A

**Relative Density:** N/A

**Partition Coefficient: N-Octano/Water:** N/A

**Auto-ignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Viscosity:** N/A

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable

**Incompatible Materials:** Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

**11. TOXICOLOGICAL INFORMATION****(ATE) FOR MIXTURE:**

Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

**Oral LD50:**

LD50 Oral -  $\geq 22,727$  mg/kg

**Dermal LD50:**

LD50 Dermal -  $\geq 25,000$  mg/kg

**Inhalation LC50:**

LC50 Inhalation - No data available

**Other information on Acute Toxicity:**

No data available

**Routes of exposure:** Inhalation, Ingestion, Skin

**Acute:** Overexposure may lead to dermatitis and eye irritation.

**Chronic:** Overexposure may lead to dermatitis and eye irritation.

**Signs and Symptoms of Exposure:** Overexposure may lead to dermatitis and eye irritation.

**Medical Conditions Aggravated by Exposure:** Preexisting eye, skin, liver, kidney, nerves, or respiratory disorders may be aggravated by exposure.

**Carcinogenicity (NTP, IARC, OSHA):** Components of this product have not shown any evidence of carcinogenicity.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in the soil:** No data available

**Other adverse effects:** No data available

**13. DISPOSAL CONSIDERATIONS****Waste disposal methods:**

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**14. TRANSPORTATION INFORMATION****U.S. D.O.T. DESIGNATION**

Cleaning Liquid. Not Regulated

**ID  
NUMBER****HAZARD  
CLASS****PACKING  
GROUP****U.N. DESIGNATION**

Same as D.O.T.

**15. REGULATORY INFORMATION**

**Regulatory Information:** This information may be useful in complying with various federal and state regulations: Components present in this product at a level which could require reporting under EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: This product contains approximately 7% 2-Butoxy Ethanol.

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

**Notification status:**

U.S.: Toxic Substances Control Act (TSCA)	Y
Canada: Domestic Substances List (DSL):	Y

**16. OTHER INFORMATION**

**For More Information, Consult Tower Products, Inc.**

**This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.**

**Date of Preparation:** May 24, 2017