

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Identity (As Used on Label and List): Ultra -TC Product Class: UV Coating Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 651-481-1900 Manufacturer's Name and Address: Multi-Clean® 600 Cardigan Road Shoreview, MN 55126	
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS	
Hazardous Components (Specific Chemical Identity):	
Chemical	Common Name(s) %
A	Unsaturated Acrylic Resin Dispersion 10 - 20
B	Acrylated Polyol 5 - 10
C	Photo Curing Agent 4 - 8
D	Acrylic Ester 10 - 20
E	Water 40 - 60
F	Inorganic Mineral Filler 1 - 10
SECTION III - HAZARDS IDENTIFICATION	
Emergency Overview	
Appearance and Odor: Opaque lavender liquid	
Primary Hazards: Irritation, sensitization, spontaneous polymerization	
Potential Health Hazards	
Route(s) of Entry:	Skin Absorption: X Ingestion: Inhalation: X
Eye:	May cause irritation or sensitization.
Skin:	May cause irritation or sensitization.
Ingestion:	May be harmful if swallowed.
Inhalation:	May cause irritation.
Signs and Symptoms of Exposure:	Irritation, sensitization can be time delayed. Chemical burns can be caused with prolonged exposure. Vapors can be irritating.
Carcinogenicity:	NTP? N. Ap. IARC Monographs? N. Ap.
OSHA Regulated?	N. Ap.
Target Organ (s):	Some components have shown damage to blood, spleen, male reproductive organs and liver in lab animal tests.
Medical Conditions Generally Aggravated by Exposure:	Pre-existing skin, eye or respiratory disorders may be aggravated by exposure to this product.
Health Hazards, Chronic:	N. Av.
SECTION IV - FIRST AID MEASURES	
Emergency and First Aid Procedures:	
If Swallowed: Call a physician immediately. Drink lukewarm water. Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes, seek medical attention. Skin Contact: Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Do not reuse clothing unless completely cleaned. Note to Physician: Effects can be delayed 24 to 48 hours. Inhalation: If ill effects occur form breathing vapors remove victim to fresh air and obtain medical attention.	
Sources Used: Raw material data, general toxicology from trade for similar products.	
SECTION V - FIRE FIGHTING MEASURES	
Flammability:	> 200°F Autoignition Temperature: N. Av.
Flash Point (method used):	N. Av.
Flammable Limits:	N. Av. LEL N. Av. UEL N. Av.
Extinguishing Media	
Water?	Foam? X Water Fog? X
Alcohol Foam? X	CO2? X Dry Chemical? X
Vaporizing Liquid? X	Other?
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exist.
Unusual Fire and Explosion Hazards:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.
TDG Flammability Classification:	N. Av.
Sensitivity to Mechanical Impact:	N. Av.
Sensitivity to Static Discharge:	N. Av.
SECTION VI - ACCIDENTAL RELEASE MEASURES	
Steps to be Taken in Case Material is Released or Spilled:	
Spilled or released material may spontaneously polymerize and release heat/gases. Limit access to spill area. Extinguish all ignition sources and ventilate area. Wear protective clothing during cleanup. Dike and contain spill with inert materials. Collect spill with absorbent inert materials. Rinse area with strong detergent and water prevents washing from entering waterways.	
SECTION VII - HANDLING AND STORAGE	
Precautions to be Taken in Handling and Storing: Store in low light location at room temperature. Do not expose to cold or heat outside storage temperature. Keep containers tightly closed and away from heat, strong oxidizers, UV radiation, incompatible materials (see Section X). Store in original container.	
Storage Temperature: 60 - 90°F	
Other Precautions: Excessive heat can cause uncontrolled polymerization resulting in possibly rupturing container. Product should only be handled and used by qualified individuals.	

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION	
Respiratory Protection (Specify Types):	
Ventilation: Local Exhaust:	Not required Special: Not required
Mechanical (General):	Not required Other:
Protective Gloves:	Impervious gloves (neoprene).
Eye Protection:	Approved safety goggles or glasses Footwear: Impervious covers
Other Protective Clothing or Equipment:	In application and curing product exposed skin should be protected from UV light and chemical contact.
Work/Hygienic Practices:	Wash exposed area thoroughly with soap and water after handling. Do not contaminate food or beverages with product.
SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point:	N. Av. pH: N. Ap.
Specific Gravity (H2O) = 1:	1.05 % Volatile: 40 - 60
Vapor Density (Air = 1):	N. Av. Odor Threshold: N. Av.
Evaporation Rate (Butyl Acetate = 1):	N. Ap. Oil/Water Distribution
Solubility in Water:	Neg Coefficient: N. Av.
Vapor Pressure (MM HG):	N. Av.
Melting Point:	N. Av.
SECTION X - STABILITY AND REACTIVITY	
Stability:	Unstable: X Stable:
Conditions to Avoid:	Temperature less than 35°F or over 95°F, exposure to light.
Incompatibility (materials to avoid):	Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron rust and strong bases.
Hazardous Decomposition or By-products:	Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen.
Hazardous Polymerization:	May occur: X Will not occur:
SECTION XI - TOXICOLOGICAL INFORMATION	
Chemical	OSHA PEL ACGIH TLV Recom. LD50 LC50
A	N. Ap. N. Ap. N. Ap. N. Av. N. Av.
B	N. Ap. N. Ap. N. Ap. N. Av. N. Av.
C	N. Ap. N. Ap. N. Ap. N. Av. N. Av.
D	N. Ap. N. Ap. N. Ap. N. Av. N. Av.
E	N. Ap. N. Ap. N. Ap. N. Av. N. Av.
F	15 mg/M ³ dust partials N. Av. N. Av. N. Av.
Teratogen, Mutagen, Reproductive Toxin Status:	N. Av.
Toxicologically Synergistic Products:	N. Av.
SECTION XII - ECOLOGICAL INFORMATION	
Ecotoxicological Information:	N. Av.
Chemical Fate Information:	N. Av.
SECTION XIII - DISPOSAL CONSIDERATIONS	
Waste Disposal Method:	
Based on knowledge of product and its raw materials it is unlikely that this product is a hazardous waste for Federal RCRA purposes. Recommended disposal, incinerator use biological treatment in accordance with Federal, State and Local regulations.	
RCRA Hazard Class: None	
SECTION XIV - TRANSPORT INFORMATION	
Shipping Classification:	Paint, varnish or lacquer, N.O.I.
UN Number:	N. Ap.
Packing Group:	N. Ap.
SECTION XV - PREPARATION DATA	
Prepared By:	Mike Tarvin
Telephone Number:	651-481-1900
Date:	12-09
SECTION XVI - REGULATORY INFORMATION	
US Federal Regulations	
TSCA Status:	All ingredients listed
CERCLA Reportable Quality:	No
SARA Title III	
Section 302 Extremely Hazardous Chemicals:	None
Section 311/312 Hazard Category:	Reactive, acute, chronic, health hazard.
Section 313 Toxic Chemicals:	None
State Regulations	
International Regulations	
WHMIS Controlled Product Hazard Class:	D2B
SECTION XVII - OTHER INFORMATION	
N. Ap. - Not Applicable; N. Av. - Not Available	

NFPA SYSTEM		
1	A. Health Hazard	1 A. Fire Hazard
2	A. Reactivity Hazard	

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