 Performance Finishes by Van Technologies	GL-5895 Acrylate Topcoat (formerly VanUltra-5895)	Safety Data Sheet	
		Date: 5/21/18	Page 1 of 6

SECTION 1. PRODUCT IDENTIFICATION

SUPPLIED BY:
VAN TECHNOLOGIES, INC.
5791 Bergquist Rd.
Duluth, MN 55804

EMERGENCY CONTACT: 218-525-9424

PRODUCT NAME:
GL-5895 Acrylate Topcoat
CHEMICAL FAMILY:
Mixture
SYNONYMS:
Mixture of UV Curable Oligomers, Monomers, Photoinitiators and Additives

SECTION 2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:
COLOR: Cloudy
FORM/APPEARANCE: Liquid
ODOR: Acrylate odor

LABEL ELEMENTS:




GHS CLASSIFICATION:
Skin Corrosion/Irritation Hazard Category 2
Serious Eye Damage/Eye Irritation Hazard Category 1
Skin Sensitizer Hazard Category 1B
Aquatic Environment Acute Hazard Category 3

SIGNAL WORD:
DANGER!

HAZARD STATEMENTS:
Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction

PRECAUTIONARY STATEMENTS:

 Performance Finishes by Van Technologies	GL-5895 Acrylate Topcoat (formerly VanUltra-5895)	Safety Data Sheet	
		Date: 5/21/18	Page 2 of 6

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
IF ON SKIN: Wash with plenty of soap and water.
Take off all contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for a minimum of 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INGESTED: Immediately call a POISON CENTER or doctor/physician.
Dispose of contents/container in accordance with local and national regulations.

HAZARDS NOT OTHERWISE CLASSIFIED, OTHER HAZARDS:
Polymerization may occur from excessive heat, contamination or exposure to direct sunlight.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	WT%
Acrylated Ester Monomer	*****	*****
Acrylated Amine Oligomer	*****	*****
Ketone Derivative	*****	*****
Hydrous Magnesium Silicate Mineral	14807-96-6	<10
Amorphous Silica	*****	<10
1-methoxy-2-propanol acetate	108-65-6	<2


***** The Specific chemical identity and/or weight percent is being withheld as a trade secret

SECTION 4. FIRST-AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:
EYE: Flush with clean, lukewarm water for at least 15 minutes and seek medical attention.
SKIN: Remove contaminated clothing and wash affected skin areas with soap and water. Particular attention should be paid to hair, nose, ears, and other areas not easily cleaned. Wash clothing prior to reuse. Seek medical attention. Avoid contact with UV and sunlight.
INHALATION: Remove to fresh air, apply artificial respiration or administer oxygen if necessary. Call a physician for serious symptoms.
INGESTION: If appreciable quantities are swallowed, seek medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

FLASH POINT: N/A FLAMMABILITY CLASS: Non-Flammable
EXTINGUISHING MEDIA: Water spray, foam dry chemical, or carbon dioxide. Avoid use of a direct water stream.
UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure build-up in containers when heated. Cool containers exposed to fire with water to prevent polymerization. Rapid and uncontrolled polymerization

 Performance Finishes by Van Technologies	GL-5895 Acrylate Topcoat (formerly VanUltra-5895)	Safety Data Sheet	
		Date: 5/21/18	Page 3 of 6

caused by heat and pressure build-up can result in explosions and the violent rupture of storage vessels or containers.

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 exists. Equipment should be thoroughly decontaminated after use.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE: Equip persons with appropriate safety equipment (see section 8.). Material can create slippery conditions. Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Dike around spilled material, apply absorbent material and transfer into suitable container for recovery or disposal. Remove container to safe area and seal.

WASTE DISPOSAL METHODS: Waste material must be disposed of in accordance with federal, state and local environmental regulations.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Always wear recommended personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Avoid spillage that can cause very slippery conditions on floors. Use with adequate ventilation. Keep container closed when not in use.

PRECAUTIONS TO BE TAKEN IN STORAGE: Protect containers from damage and storage in extremes of heat or cold. Protect from light and storage temperature should not exceed 100 F. Keep in a cool, dry, well-ventilated place.

OTHER PRECAUTIONS: Solvents should not be used to clean skin as hazards associated with skin penetration may be experienced. Emptied containers retain vapor and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non-industrial purposes is prohibited and any reuse must be in consideration of the data provided in this MSDS.


SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

Name:	CAS #:	ACGIH TLV	OSHA PEL	OSHA STEL
Mixture	N/A	Not Available	Not Available	Not Available
Acrylated Ester Monomer	*****	Not Available	Not Available	Not Available
Acrylated Amine Oligomer	*****	Not Available	Not Available	Not Available
Ketone Derivative	*****	Not Available	Not Available	Not Available
Hydrous Magnesium Silicate Mineral	*****	2 mg/m ³	2 mg/m ³	Not Available
Amorphous Silica	*****	10 mg/m ³	6 mg/m ³	Not Available
1-methoxy-2-propanol acetate	*****	100 ppm	Not Available	Not Available
***** The Specific chemical identity and/or weight percent is being withheld as a trade secret				

TLV=Threshold Limit Value

PEL=Permissible Exposure Level

 Performance Finishes by Van Technologies	GL-5895 Acrylate Topcoat (formerly VanUltra-5895)	Safety Data Sheet	
		Date: 5/21/18	Page 4 of 6

STEL=Short Term Exposure Level

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: Avoid breathing vapor or mist. When exposed to aerosol vapors, use full face organic vapor cartridge respirator with particulate pre-filter. In emergency situations, use self-contained breathing apparatus or other air supplied full-face respirator.

VENTILATION: Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

PROTECTIVE GLOVES: Natural rubber or neoprene gloves recommended. A combination of barrier cream, applied before exposure, is recommended. Do not apply cream after exposure.

EYE PROTECTION: Wear face shield. Have eye wash facilities immediately available at any location where eye contact can occur.

OTHER EQUIPMENT: Eye wash and safety shower recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: >212F/100C

SPECIFIC GRAVITY: 1.10-1.15

VAPOR DENSITY: not established

pH: not applicable

ODOR: Acrylate odor

PERCENT VOLATILE BY WEIGHT: < 2%

EVAPORATION RATE: not applicable

WATER SOLUBILITY: Slightly soluble

APPEARANCE: Cloudy liquid

VAPOR PRESSURE: not established

VOC: EPA Method (less water), lb/gal 0.13

Actual wt% 1.33

Actual, lb/gal 0.13

HAP: Zero

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Normally Stable

INCOMPATIBILITY: Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon; hydrocarbons

HAZARDOUS POLYMERIZATION: May occur. Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in a violent rupture of sealed storage vessels or containers.

CONDITIONS TO AVOID: Storage > 100 deg. F, exposure to light, contamination with incompatible materials, and inert gas blanketing.

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICOLOGY TEST DATA


This product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Acute Toxicity:

Oral: LD50, rat, 4600 mg/kg. No more than slightly toxic.

Dermal: LD50, rabbit, >= 2000 mg/kg. No more than slightly toxic.

Eye Irritation, rabbit: Severely irritating.

 Performance Finishes by Van Technologies	GL-5895 Acrylate Topcoat (formerly VanUltra-5895)	Safety Data Sheet	
		Date: 5/21/18	Page 5 of 6

Skin Irritation, rabbit: Moderately irritating.

Skin Sensitization, guinea pig: This material produced skin sensitization in laboratory animals.

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY TEST DATA:

This product has not been tested. The statements on environmental toxicity have been derived from products of a similar structure and composition.

Environmental Toxicity: Invertebrates, 48 h LC50, Waterflea 22.3 mg/l

Fish, 96 std LC50, Golden orfe 2.15-4.64 mg/l

Algae, 96 std EC50, Algae 16.7 mg/l

Environmental Fate-Biodegradation: OECD 301E 60-70% 28d

Domestic sewage

OECD 301E 100% 28d

Activated domestic sludge

Bioconcentration Factor: 3.89

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Waste material must be disposed of in accordance with federal, state and local environmental regulations. Do not discharge into waterways or sewer systems without proper authority.

SECTION 14. TRANSPORT INFORMATION

NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

SECTION 15. REGULATORY INFORMATION

This product is hazardous according to the OSHA Hazard Communication Standard.

SARA hazard categories (311/312): This product contains components that are classified as the following health and/or physical hazards according to Section 311 and 312:

Immediate (acute) health hazard

Delayed (chronic) health hazard


Reactive hazard

SARA Title III, Section 313: None known

CERCLA RQ: Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

TSCA INVENTORY STATUS: Components listed on inventory

DSL (CANADA) INVENTORY STATUS: Components listed on inventory

 Performance Finishes by Van Technologies	GL-5895 Acrylate Topcoat (formerly VanUltra-5895)	Safety Data Sheet	
		Date: 5/21/18	Page 6 of 6

STATE REGULATIONS/STATE RTK:

None known

CALIFORNIA PROPOSITION 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute:

Crystalline Silica CAS#: N/A 0.14%

WHMIS:

INGREDIENT DISCLOSURE LIST:

CAS NUMBER CHEMICAL NAME

N/A

MIXTURE CLASSIFICATION: D2B

SECTION 16. OTHER INFORMATION

ORIGINAL DATE: 6/29/01

REVISION DATE: 9/15/09, 2/24/11, 6/24/13, 5/31/18

HMIS RATING:

Health: 3 Flammability: 1 Physical Hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

The information in this SDS was obtained from sources that we believe are reliable. The information, however, is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.