



KB 25 Acrylic Resin

SECTION 1 – IDENTIFICATION

PRODUCT NAME: KB 25 Acrylic Resin
IDENTIFICATION NUMBER: KB0025, KB0026, KB0027
SUPPLIER/MANUFACTURER: VANBERG SPECIALIZED COATINGS
10705 COTTONWOOD ST
LENEXA, KS 66215-2032

EMERGENCY CONTACT NUMBER: 800-255-3924; 24 HOURS
PREPARER: VSC
PHONE: 913-599-5939
PREPARE DATE: AUGUST 27, 15

Recommended use of the chemical and restrictions on use

Identified uses: This product is used in coatings, textiles, binders and adhesives.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard classification

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Other hazards

No data available

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Acrylic emulsion

This product is a mixture.

Chemical Name	CAS #	Concentration
Acrylic polymer(s)	Not hazardous	46.0 - 48.0 %
Residual monomers	Not available	< 0.05 %
Water	7732-18-5	52.0 - 54.0 %

Any concentration shown as a range is to protect confidentiality or is due to process variation.

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

Inhalation

Move to fresh air.

Skin contact

Wash with water and soap as a precaution. If skin irritation persists, call a physician.

Eye contact

Rinse with plenty of water. If eye irritation persists, consult a specialist.

Ingestion

Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed**Notes to physician**

Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 – FIRE FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media

No data available.

Special hazards arising from the substance or mixture**Hazardous combustion products**

No data available

Unusual Fire and Explosion Hazards

Material can splatter above 100 °C/212 °F. Dried product can burn.

Advice for firefighters**Fire Fighting Procedures**

No data available

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods and materials for containment and cleaning up

Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7 – HANDLING & STORAGE**Precautions for safe handling**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for safe storage:

Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

Storage stability**Storage temperature**

34 - 120 °F (1 - 49 °C)

Other data

Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Exposure controls

Engineering controls

Use local exhaust ventilation with a minimum capture velocity of 100 ft. /min. (0.5 m/sec.) At the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Protective measures

Facilities storing or utilizing this material should be equipped with an eyewash facility.

Individual protection measures

Eye/face protection

Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Skin protection

Hand protection

The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves

Respiratory protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions. Where vapors and/or mists may occur, wear a properly fitted NIOSH approved (or equivalent) half-mask, airpurifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Color	Milky White
Property	Values
Odor	Acrylic-like
Odor Threshold	No data available
pH	9.3-10.2
Melting Point/Freezing Point	0 °C (32 °F) Water
Freezing Point	No data available
Boiling Point/Boiling Range	100 °C (212 °F) Water
Flash Point	Noncombustible
Evaporation Rate (Butyl Acetate = 1)	< 1 Water
Flammability (Solid, Gas)	Not Applicable
Upper Flammable Limits	Not Applicable
Lower Flammable Limits	Not Applicable
Vapor Pressure	17 mmHg at 68 °F (20 °C) Water
Relative Vapor Density (air = 1)	< 1 Water
Relative Density (water = 1)	1.0-1.2
Water Solubility	Dilutable
Partition Coefficient: noctanol/ water	No data available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	No data available
Dynamic Viscosity	10-60 mPa.s
Kinematic Viscosity	No Data Available
Explosive Properties	No Data Available
Oxidizing Properties	No Data Available
Molecular Weight	No Data Available
Percent Volatility	52 - 54 % Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10 – STABILITY & REACTIVITY

Reactivity

No data available

Chemical stability

Stable

Possibility of hazardous reactions

None known.

Product will not undergo polymerization.

Conditions to Avoid

No data available

Incompatible Materials

There are no known materials which are incompatible with this product.

Hazardous Decomposition Products

Thermal decomposition may yield acrylic monomers.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

Acute toxicity

Acute oral toxicity

LD50, Rat, > 5,000 mg/kg

Acute dermal toxicity

LD50, Rabbit, > 5,000 mg/kg

Acute inhalation toxicity

Product test data not available.

Skin corrosion/irritation

May cause transient irritation.

Serious eye damage/eye irritation

No eye irritation

Sensitization

Product test data not available.

Specific Target Organ Systemic Toxicity (Single Exposure)

Product test data not available.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Product test data not available.

Carcinogenicity

Product test data not available.

Teratogenicity

Product test data not available.

Reproductive toxicity

Product test data not available.

Mutagenicity

Product test data not available.

Aspiration Hazard

Product test data not available.

Additional information

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

COMPONENTS INFLUENCING TOXICOLOGY:

Acrylic polymer(s)

Acute inhalation toxicity

The LC50 has not been determined.

Residual monomers

Acute inhalation toxicity

The LC50 has not been determined.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

General Information

There is no data available for this product.

Toxicity

Acrylic polymer(s)

Acute toxicity to fish

No relevant data found.

Residual monomers

Acute toxicity to fish

No relevant data found.

Persistence and degradability

Acrylic polymer(s)

Biodegradability: No relevant data found.

Residual monomers

Biodegradability: No relevant data found.

Bioaccumulative potential

Acrylic polymer(s)

Bioaccumulation: No relevant data found.

Residual monomers

Bioaccumulation: No relevant data found.

Mobility in soil

Residual monomers

No relevant data found.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods

Coagulate the emulsion by the stepwise addition of ferric chloride and lime.

Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT: Not regulated for transport

Classification for SEA transport (IMO-IMDG): Not regulated for transport

Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code

Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO): Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15 – REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

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.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. Column of SECTION 2, Composition/Information on Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16 – OTHER INFORMATION

HMIS ratings:

Health	1
Flammability	0
Reactivity	0

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

END OF SDS