

MATERIAL SAFETY DATA SHEET

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SECTION I PRODUCT IDENTIFICATION

Product Name: S-11000 Ure-Kote, Various Colors

Product Class: Coating, Aqueous Acrylic Emulsion

CAS No.: N/A

Hazard Rating: 4-Extreme 3-Moderate 2-Moderate 1-Slight 0-Insignificant
NOT OSHA HAZARDOUS

Fire: 0 Reactivity: 0 Toxicity: 1

SECTION II COMPOSITIONAL INFORMATION

	CAS REG. No.	Approx. WT%	R&H	OSHA	ACGIH
Acrylic Polymer	nonhaz	50.0	NE	NE	NE
Residual Monomer	not req.	0.1 max	NR	NR	NR
Ammonia	not req.	0.3 max	25	50	25ppa
Formaldehyde (See Sect. X)	not req.	0.08 max	0.5	3	1Cppa
Water	non haz	53.0	NE	NE	NE
2,2,4 Trimethyl – 1-3 Pentanediol Monoisobutyrate	25265-77-4	0.1	NE	239	NE

SECTION III PHYSICAL PROPERTY INFORMATION

Appearance – Odor – pH:

Various colors; mild ammoniacal odor; pH 9.5-10.0 | Viscosity: 1000 cps. (max.) Brookfield

Melting or Freezing Point: OC / 32F (Water) | Boiling Point: 100C/21F (Water)

Vapor Pressure: 17 mg Hg @ 20C/68F | Vapor Density (air=1): less than 1 (heavier)

Solubility in water: Dilutable | Percent Volatile (by wt.) 53 (Water)

Specific Gravity (water=1): 1:2 | Evaporation Rate (butyl acetate=1):
less than 1 (slower)

SECTION IV FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: non-combustible | Auto Ignition Temp: NA | Lower Explosion Limit (X): NA

Upper Explosion Limit: NA | Extinguishing Media: Foam-Alcohol Foam-CO2-Dry
Chemical-Water-Other

Special Fire Fighting Procedures: NA

Unusual fire and explosion hazards: Product will not burn but may spatter if temperature exceeds boiling point. Polymer film is capable of burning giving off oxides of carbon/nitrogen.

SECTION V HEALTH HAZARD INFORMATION

Effects of Exposure:

Inhalation: Adverse health effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, respiratory tract and symptoms of headache and nausea.

Skin Contact: Prolonged or repeated contact with product may cause skin irritation.

Eye Contact: Direct contact with product may result in eye irritation.

Emergency and First Aid Procedures:

Inhalation: Remove subject to fresh air.

Eye and Skin Contact: Promptly and thoroughly wash eyes with plenty of water for at least 15 minutes and consult physician if irritation persists; wash skin thoroughly with soap and water; if drenched, remove and wash clothing before reuse.

Ingestion: If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.

SECTION VI REACTIVITY INFORMATION

Stability: Product is stable | Conditions to Avoid: NA | Haz. Decomposition Products: NA

Hazardous Polymerization: Will not occur | Conditions to Avoid: NA

Incompatibility (Materials to avoid): --water—other NA

SECTION VII – SPILL OR LEAK PROCEDURE INFORMATION

Keep unnecessary people away. Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid to container for recovery or disposal. Keep spill out of sewers and open bodies of water. Floors may be slippery, care should be exercised to avoid falls.

Waste Disposal Methods: Coagulate the emulsion with ferric chloride or sulfate and then lime to a clear end point. Decant the clear liquid to sewer and landfill the coagulant. Incineration of the entire emulsion is possible but impractical because of the high water content. Coagulum may be incinerated.

SECTION VIII – STORAGE AND HANDLING INFORMATION

Storage temperature: Max: 60C/140F min: 1.1C/34F |Indoor: yes |Heated: no |Outdoor: Yes

Precautionary labeling: KEEP FROM FREEZING – PRODUCT MAY COAGULATE

Ventilation Type:

Mechanical local exhaust at point of contaminant (vapor or mist) release.

Respiratory protection:

None required if good ventilation is maintained. Otherwise, wear MSHA/NIOSH approved respirator suitable for vapor mist concentrations encountered.

Protective Gloves:

Impervious

Eye protection:

Safety glasses

SECTION IX TOXICITY INFORMATION

The effects of overexposure shown in Section V are based on acute toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical values are: Rat, oral LD50: greater than 5.0g/kg; rabbit, dermal LD50; greater than 5.0g/kg

SECTION X MISCELLANEOUS INFORMATION

Formaldehyde is an animal carcinogen, however, objective data indicate that under typical conditions of use for this product, the R&H TWA of 0.5 ppm will not be exceeded.

FOOTNOTE TO SECTION I : Not Established = NE or not req. or NR = Not required

NA:= not applicable

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