

Adhesives and Chemicals, Inc.

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131 Brown Street, Pittston, PA 18640-3799

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: V-35-A Almond

Manufacturer's Name: Adhesives and Chemicals, Inc.
131 Brown Street
Yatesville, Pittston, PA 18640

Telephone numbers: 570-654-6735
570-883-0303

Emergency Number: Chemtrec 800-424-9300

Revision Date: 11/14/2011

SECTION I: MATERIAL IDENTIFICATION / HAZARDOUS INGREDIENTS

Hazardous Component	C.A.S. #	ACGIH TWA/ppm	ACGIH STEL/ppm	OSHA TWA/ppm	%
Cyclohexanone	108-94-1	25 PPM Skin		50 PPM (trans) 25 PPM Skin	18
Methyl Ethyl Ketone	78-93-3	200 PPM		200 PPM	9
Tetrahydrofuran (THF)	109-99-99	200 PPM		200 PPM	49
Polyvinyl Chloride Resin (PVC)	9002-86-2	N/A		NA	20

SECTION II: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F): 151 °F	Vapor Density (Air=1): 2.49
Specific Gravity (H2O=1): 1.02 ± 0.040 @ 73 ± 2 °F	Evaporation Rate (Butyl Acetate=1): 5-8
Vapor Pressure: 143 mm Hg. Based on THF	Water Solubility: Solvent portion completely soluble in water, Resin portion separates out.
% Volatile by Volume: Approx: 70 – 90%	Appearance and Odor: thick white opaque liquid – ether like odor

SECTION III: FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used): -4°F, -20°C Flammable Limits: LEL 1.1
UEL 11.8

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, Water Spray.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing. Water may be used to cool fire-exposed containers.

Unusual Fire and Explosion Hazards: The solvent in this product is flammable and may travel along the ground. May be ignited by pilot lights, sparks and static electricity. Extremely flammable, low flashpoint. THF is an OSHA Class 1B flammable liquid. Vapors are heavier than air and may travel to source of ignition.

Section IV: REACTIVITY HAZARD DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Product can undergo hazardous polymerization. Polymerization can occur in the presence of cationic initiators such as selected Lewis acids or strong proton acids.

CONDITIONS TO AVOID: Exposure to heat, sparks, open flames, static electricity.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, strong acids, strong alkalis, caustics, ammonia, inorganic acids, and chlorinated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS OR BYPRODUCTS: Carbon monoxide, carbon dioxide, hydrogen chloride, smoke, fumes, other unidentified toxic materials.

SECTION V: HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

FIRST AID & EMERGENCY PROCEDURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids occasionally during flushing to facilitate irrigation. Seek medical attention.

Skin: Immediately wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Take immediately to hospital or physician.

SECTION VI: PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or leak procedures: Soak up with absorbent material, remove to a chemical disposal area. Enclose with diking material to prevent seepage into any natural bodies of water. Absorb residue and dispose of all waste according to all local, state, and federal regulations.

D.O.T. Shipping Name: Flammable Adhesive	Liquid HMIS Rating: Health : 2
D.O.T. Label: Flammable Liquid	Flammability: 3
Adhesive, 3, Un 1133, PG II	Reactivity: 0

Waste disposal: Dispose of only in accordance with local, state, and federal rules and regulations.

Do not use in poorly ventilated or confined spaces. Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Avoid prolonged or repeated breathing of vapors. Avoid contact with eyes and prolonged or repeated contact with skin. Do not take internally.

SECTION VII: CONTROL MEASURES

Respiratory Protection: The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved) or supplied air equipment, depending on airborne concentration.

Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

Protective Gloves: The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.

Other Protective Clothing or Equipment: Safety glasses, chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

Special clothing is advised as good chemical handling practice. The availability of eye wash and safety showers in work areas is recommended.

SECTION VIII: SPECIAL PRECAUTIONS AND/OR COMMENTS:

Precautions to be taken in handling and storing: Protect material from freezing at all times.

*****SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED*****

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Adhesives and Chemicals, Inc. as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Adhesives and Chemicals assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.