

Date issued:

May 2017

1. Product & Company Identification

Trade Name

JAC –D 40/12 HSS

Use:

Lamination Adhesive

Company Identification

The Jordanian Austrian Chemicals Co.Ltd
Abdulla II Industrial Estate, Str. (K)
P.O.BOX:118 Amman 11512, Jordan

Emergency Telephone Number

Tel No.: +962 6 4029491/2

2. Hazards Identification

Emergency Overview

Color:

White

Physical State:

Low Viscous Liquid

Odor:

Characteristic

Hazards of product:

No significant immediate hazards for emergency response are known. Dike and contain spill.

Adverse effects on human health:

Eye Contact: May cause slight temporary eye irritation. Corneal injury is unlikely.

Skin Contact: Brief contact is essentially nonirritating to skin. Prolonged contact may cause slight skin irritation with local redness. Latex may stick to skin causing irritation upon removal.

Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Inhalation: With good ventilation, single exposure is not likely to be hazardous. In poorly ventilated areas, vapors or mists may accumulate and cause respiratory irritation. Signs and symptoms of excessive exposure may include: Headache. Nausea and/ or vomiting.

Ingestion: Low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

3. Composition Information

Component	CAS #	Amount
Free Vinylc Monomer	Confidential 108-05-4	%(w / w) ≤0.1

4. First-aid measures

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Skin Contact: Wash skin with plenty of water.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire Fighting Measures

Extinguishing Media: To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Unusual Fire and Explosion Hazards: This material will not burn until the water has evaporated. Residue can burn. Upon burning, the dry product generates dense black smoke.

Hazardous Combustion Products: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide. Dense smoke. Organic compounds.

6. Accidental Release Measures

Steps to be taken if Material is Released or Spilled: Recover spilled material if possible. If unable to recover, then proceed with appropriate cleanup methods. Absorb with materials such as: Clay. Sand. Sawdust. Vermiculite. Collect in suitable and properly labeled containers. Water may be used for final cleaning of affected area. Wash water should be disposed of in accordance with local regulations. See Section 13, Disposal Considerations, for additional information.

Personal Precautions: Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

7. Handling and Storage

General Handling: Avoid prolonged or repeated contact with skin.

Storage Store between 5 -30 °C. May coagulate if frozen at 0°C (32°F). Material may develop bacteria odor on long term storage. No safety problems known.

Unsuitable packaging materials: Avoid Iron Containers.

8. Exposure Controls / Personal Protection

Exposure Limits

None established

Personal Protection

Eye/Face Protection: Use safety glasses.

Skin Protection: Wear clean, body-covering clothing.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Styrene/butadiene rubber. Examples of acceptable glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Avoid gloves made of: Polyvinyl alcohol ("PVA").

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

Engineering Controls

Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

9. Physical and Chemical Properties

Physical State	Low Viscous Liquid
Color	White
Odor	Characteristic
Flash Point - Closed Cup	Not applicable water based product
Boiling Point	100 °C
Flammable Limits In Air	Lower: No test data available Upper: No test data available
Autoignition Temperature	Not applicable water based product
Specific Gravity (H2O = 1)	1.05 ± 0.02
Freezing Point	0 °C (32 °F) Literature (water)
Melting Point	0 °C (32 °F) Literature (water)
Solubility in Water (By weight)	Visual miscible with water in all proportions
Dynamic Viscosity Sheen VM1/VM2 @25 (° C)	4000 - 6500 Cps

10. Stability and Reactivity

Stability/Instability

Conditions to Avoid: Can coagulate if frozen. The dry resin is combustible.

Incompatible Materials: Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

Hazardous Polymerization

Will not occur.

Thermal Decomposition

Decomposition products depend upon temperature, air supply and the presence of other materials.

11. Toxicological Information

Possible Health Effects:

Skin: Mild irritant
Eyes: rabbit moderate irritation
Inhalation: Not Determined
Ingestion: Not Determined

Other health hazard information:	TOXICITY: 1	MIN: 0	MAX: 4
LC50	Oral, rat :	>5000 mg/ kg	
	Dermal, rabbit:	>5000 mg/ kg	

12. Ecological Information

CHEMICAL FATE

Movement & Partitioning

No bioconcentration of the polymeric component is expected because of its high molecular weight. Latex dispersions will color water a milky white.

Persistence and Degradability

The polymeric component is not expected to biodegrade.

ECOTOXICITY

Based largely or completely on information for similar material(s). Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50 greater than 100 mg/L in most sensitive species).

13. Disposal Consideration

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. **JAC Polymers HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT**, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

14. Transport Information

Not Regulated

15. Other Information

See Product Technical Data Sheet

The information is based on our present state of knowledge and shall be intended to provide general notes on our products and their field of application. It shall therefore not be construed as guaranteeing specific characteristics of the products described and/or their suitability for a particular application. Any existing industrial property rights shall be observed. The quality of our products is warranted under our General Conditions of Sale.