

# MATERIAL SAFETY DATA SHEET



**ORCON CORPORATION**  
1570 Atlantic St.  
Union City, CA 94587  
(510) 489-8100  
(8:00 to 5:30 PST)

**MSDS No.** 190      **Revision:** 2

**Revision Date:** 03-Oct-02

**Print Date:** 03-Oct-02

---

## **SECTION 1: IDENTIFICATION DATA**

**Product Trade Name:** ORCON Carpet Installation Adhesives

including the adhesives listed below:

Fast Lock® Edge Sealer

Weld Lock® Seam Sealer

This Material Safety Data Sheet (MSDS) supercedes all earlier dated revisions of Orcon MSDS's referring to the product or products listed above.

---

## **SECTION 2: HAZARDOUS CONSTITUENTS**

<b>Chemical Name</b>	<b>C.A.S. Number</b>	<b>Weight %</b>	<b>TLV/PEL</b>
vinyl acetate (residual)	108-05-4	<0.4%	10 ppm

In addition to the constituents identified above, this product contains a blend of trade secret ingredients for which there are no OSHA or equivalent exposure standards. This MSDS provides general precautions appropriate for this product as a whole when used as intended.

---

## **SECTION 3: HAZARDS IDENTIFICATION**

Overview: Product is a water dispersable adhesive intended for use by floor covering installation professionals. For industrial use only. Keep out of reach of children.

### POTENTIAL HEALTH EFFECTS

Routes of Exposure: Principle risk of exposure is by contact with eyes or skin, or by inhalation of vapors.

--- Eye: Vapors may cause eye irritation. Symptoms of exposure may include redness, tearing, and itching in the eyes.

--- Skin: Prolonged skin contact may cause skin irritation. Symptoms of exposure may include redness, inflammation, and drying of skin.

--- Ingestion: Moderately toxic by ingestion. Will cause irritation of the digestive tract if ingested.

--- Inhalation: Vapors may cause respiratory irritation.

CHRONIC EFFECTS: Vinyl acetate is listed as a carcinogen by IARC, NTP, and OSHA.

---

## **SECTION 4: FIRST AID MEASURES**

Eyes: Flush eyes with flowing water for at least 15 minutes.

Skin: Flush with water, then wash with soap and water. Consult a physician if skin irritation develops.

Inhalation: Remove affected individual to fresh air if inhalation is suspected. If not breathing, administer artificial respiration. If breathing is difficult, administer oxygen.

Ingestion: for abnormal ingestion, dilute with water. Do not induce vomiting unless advised by physician. Consult a physician immediately.

---

## **SECTION 5: FIRE FIGHTING MEASURES**

Flash Point: 232 C (450 F) tag closed cup. LEL, UEL, and Flammable Limits: Not Applicable.

Unusual fire hazards: Keep personnel removed from and upwind of fire. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

Extinguishing Media: Carbon dioxide, water, water fog, dry chemical.

---

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Contain and absorb spilled adhesive and contaminated wash water with a suitable absorbant. Collect spent absorbent and dried adhesive and place into a waste container. Wash up residual material with water, or allow to dry and peel or scrape from affected surfaces.

---

## **SECTION 7: HANDLING AND STORAGE**

Storage: Store between 5 C and 32 C; keep from freezing. Keep away from open flame. Store in closed, labeled containers only.

Keep containers closed. Avoid repeated or prolonged contact with skin. For industrial use only.

---

## **SECTION 8: CONTROL MEASURES**

Ventilation: Work area should be well ventilated. If exposures exceed applicable PEL's, control by improving general area ventilation as appropriate.

Respiratory Protection: Generally not required during typical carpet installation because a relatively small amount of adhesive is needed.

Consult a competent industrial hygienist if any exposure exceeding permissible exposure limits (PEL's) is suspected. Use MSHA/NIOSH

approved respirators if exposures exceed the PEL and ventilation can not be provided.  
Protective Gloves: Gloves (any type) to prevent prolonged skin contact recommended.  
Eye Protection: Wear safety glasses with side shields during application.  
Work/Hygienic Practices: Wash adhesive off of skin with soap and warm water when finished with application.

---

**SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS**

---

Appearance & Odor: White, opaque viscous fluid with characteristic rubbing alcohol odor.  
Boiling Point: about 100 C. (212 F)  
Solids content: 56 % by weight      Solubility in Water: Dispersable when wet.  
Evaporation Rate: not measured.      Vapor Pressure: not measured.  
Specific Gravity: 1.02      % in Sat. Air: same as water.  
VOC Content: 120 g/l (less water)      Vol. % VOC: 9.9% as isopropyl alcohol.

---

**SECTION 10: REACTIVITY DATA**

---

Stable under normal conditions of temperature or pressure. Hazardous polymerization will not occur. Incompatible with strong oxidizers. May produce hazardous quantities of carbon monoxide and smoke when burned.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

Hazard data below is given for the pure hazardous substances which are present in the product at the concentrations shown under Section 2. No health data is available for the product as shipped.

**ROUTES OF EXPOSURE:**

Principle risk of exposure is by skin contact and inhalation.

**HEALTH HAZARDS: (Acute & Chronic):**

Isopropyl alcohol: LD50 (oral, rat) 5045 mg/kg. Moderately toxic to humans. Mildly toxic by skin contact. Effects of exposure include flushing, pulse rate decrease, blood pressure lowering, anesthesia, narcosis, headache, dizziness, distorted perceptions, nausea or vomiting. An eye and skin irritant. A questionable carcinogen. The single lethal dose for a human adult is about 250 ml, although as little as 100 ml can be fatal. It can cause corneal burns and eye damage. Has good warning properties because it causes a mild irritation of the eyes, nose and throat at a concentration level of 400 ppm.

Vinyl acetate monomer: May be present in trace quantities less than 0.4 wt% as a residual material. LD50 (oral, rat) 2929 mg/kg. Suspected carcinogen with experimental carcinogenic and tumorigenic data. Moderately toxic by ingestion and inhalation. A skin and eye irritant. Human mutation data reported.

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

No information available.

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

This product has not been tested for characterization under hazardous waste rules, but based solely on knowledge of product components, if mixed with an inert material and allowed to dry, uncontaminated adhesive waste is not hazardous as defined by the Resource Conservation and Recovery Act (RCRA, 40 CFR 261). Waste adhesive in liquid form may be regulated as a hazardous waste under federal or state law, and should not be placed in an ordinary waste landfill. Local regulations may differ. Check the laws applicable in your area before disposing of waste material.

---

**SECTION 14: TRANSPORT INFORMATION**

---

For domestic (U.S.) purposes, this product is not designated as a hazardous material by the U.S. Department of Transportation.

---

**SECTION 15: ADDITIONAL REGULATORY INFORMATION**

---

TSCA: All ingredients are listed or excluded from listing.

SARA Title III: Sections 302, 311 and 312: vinyl acetate monomer is listed. Section 313: vinyl acetate monomer and isopropyl alcohol are listed.

Other: This product is compliant with the Bay Area Air Quality Management District's Regulation 8-51 for adhesive and sealant products. Users of this product may be subject to additional requirements not listed above, and are responsible for determining what requirements apply to their use of this product.

---

**IMPORTANT NOTICES**

---

Information on this form is furnished solely for the purpose of compliance with OSHA's Hazard Communication Standard (29 CFR 1910.1200). Persons using this product shall make their own determination as to the applicability of the Hazard Communication Standard and any other requirement to their use of this product.

Orcon Corporation believes that the statements, technical information, and recommendations set forth herein are reliable. However, they are supplied without warranty of any kind, expressed or implied.

Prepared by:K.Reddy, Orcon Corp.

formrev=0