TAJ FLOORING

GLOBAL SOURCING, LOCAL SERVICING

# MODULAR
## Flooring Adhesive

TECH DATA

## PRODUCT CHARACTERISTICS

**TAJ Modular Flooring Adhesive** is a versatile spray adhesive naturally suited for adhering Vinyl Composition Tile (VCT) in commercial and residential applications.

It uses 80% less adhesive compared to trowel applied epoxy and bucket adhesive. Its instant shear strength allows for all traffic without any adhesive indentation, displacement, or movement associated with heavy weight-bearing loads. Also, it is a non-toxic, 0.020 g/ml VOC product that allows occupation of space as soon as installation is complete.

## ADVANTAGES

- **Uses 80% less adhesive**
- **Allows all traffic immediately**
- **0.020 g/ml VOC content**
- **Non-toxic, water-based adhesive**
- **No need to shut down HVAC**
- **Easy water cleanup while adhesive is still wet**
- **Non-flammable**
- **High moisture and pH resistant**
- **No offensive odors**

## COVERAGE

For approved VCT flooring in an upside down aerosol can.

170-200 sq ft per can

## SUITABLE SUBSTRATES

**TAJ Modular Flooring Adhesive** bonds approved VCT flooring to the following properly prepared, smooth, flat, dust-free substrates:

- **Concrete**
- **Underlayment grade plywood**
- **Metal**
- **Fiberglass**
- **Existing VCT**

## TECHNICAL CHARACTERISTICS

- Provides immediate shear strength after installation allowing instant access to finished floor.
- Solvent free, emits no harmful fumes, and contains 0.020 g/ml VOC (Volatile Organic Compounds) in content, according to EPA Test Method 8260B.
- Uses non-ozone depleting HFC propellant.
- Withstands 8 lbs. of vapor emissions, 90% RH and 11 pH.

EXCEEDS US EPA INDOOR AIR QUALITY STANDARD FOR VOCs
0.0 g/ml VOC
EPA TEST METHOD 8260B

*According to EPA document: "National Volatile Organic Compound Emission Standards For Consumer Products" for aerosol adhesives.

| | |
|---|---|
| **CHEMICAL TYPE** | Water-based acrylic blend |
| **APPEARANCE** | Milky white frost bubbles |
| **ODOR** | Sweet mild odor |
| **FLASH POINT** | Will not burn |
| **NFPA 704 FLAMMABILITY RATING** | 0 (Non-flammable) |
| **SHELF LIFE** | 3 years, if unopened |
| **OPEN TIME** | 2 hours |
| **DRY TIME** | Once adhesive is dry to touch (10-20 minutes) |
| **VOC CONTENT** | 0.020 g/ml calculated per EPA Test Method 8260B |
| **FOOT TRAFFIC ALLOWANCE** | Immediately |
| **HEAVY MACHINERY ALLOWANCE** | Immediately |
| **RESISTANCE TO MOISTURE** | Excellent: 8 lbs/1,000 sq ft or 90% RH/11pH |
| **UNDERFLOOR HEATING SYSTEMS** | Yes |
| **STORAGE** | Do not subject to freezing temperatures |

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REV: Release
DATE: 9.6.16

# TAJ Modular Flooring Adhesive (Spray)

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 10/27/2015 Revision date: 08/26/2016 Version: 1.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : TAJ Modular Flooring Adhesive (Spray)

Product code : Not available.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive

### 1.3. Details of the supplier of the safety data sheet

TAJ Flooring, Inc.
740 Church Road
Elgin, IL 60123 - USA

T 847-690-9930

### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1 (800) 424-9300

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GHS-US classification**

Gases under pressure – Dissolved gas

### 2.2. Label elements

**GHS-US labelling**

Hazard pictograms (GHS-US) :

GHS04

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : Contains gas under pressure; may explode if heated.

Precautionary statements (GHS-US) : Protect from sunlight. Store in a well-ventilated place.

### 2.3. Other hazards

No additional information available.

### 2.4. Unknown acute toxicity (GHS-US)

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable.

### 3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|---|---|---|---|
| 1,1-Difluoroethane | (CAS No) 75-37-6 | 10 - 30 | Flam. Gas 1<br>Liquefied gas |

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water.Call a physician if irritation develops and persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : Not a normal route of exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Powder, water spray, foam, carbon dioxide.

Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

Firefighting instructions : Cool closed containers exposed to fire with water.

Protection during firefighting : Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

### 6.2. Methods and material for containment and cleaning up

For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Use only in well-ventilated areas. When using do not eat, drink or smoke. Pressurized container: Do not pierce or burn, even after use.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep locked up and out of reach of children. Store away from direct sunlight or other heat sources. Do not store at temperatures above 49 °C / 120 °F. Keep from freezing. Store in a well-ventilated place.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| 1,1-Difluoroethane (75-37-6) | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (ppm) | Not applicable. |
| USA ACGIH | ACGIH STEL (ppm) | Not applicable. |

### 8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection : Wear suitable gloves.

Eye protection : Safety glasses or goggles are recommended when using product.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Gas/Pressurized Liquid.

Appearance : Clear.

Color : White.

Odor : Sweet.

Odor threshold : No data available.

pH : 5.5 - 7.5

Relative evaporation rate (butylacetate=1) : No data available.

Melting point : No data available.

Freezing point : No data available.

Boiling point : No data available.

Flash point : No data available.

Self ignition temperature : No data available.

Decomposition temperature : No data available.

Flammability (solid, gas) : Not flammable.

Vapor pressure : No data available.

Relative vapor density at 20 °C : > 1 (Air = 1)

Relative density : 1.03

Solubility : No data available.

Log Pow : No data available.

Log Kow : No data available.

Viscosity, kinematic : No data available.

Viscosity, dynamic : No data available.

Explosive properties : No data available.

Oxidising properties : No data available.

Explosive limits : No data available.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Oxidizers. Nitrates. Chlorine bleach.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified.

| TAJ Modular Flooring Adhesive (Spray) | |
|---|---|
| LD50 oral rat | Not available. |
| LD50 dermal rabbit | Not available. |
| LC50 inhalation rat | Not available. |

| 1,1-Difluoroethane (75-37-6) | |
|---|---|
| LC50 inhalation mouse | 977 g/m$^3$/2h |

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Reproductive toxicity : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : Not a normal route of exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

| TAJ Modular Flooring Adhesive (Spray) | |
|---|---|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| TAJ Modular Flooring Adhesive (Spray) | |
|---|---|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer : No additional information available.

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. Pressurized container: Do not pierce or burn, even after use.

## SECTION 14: Transport information

In accordance with DOT

### 14.1. UN number

UN-No.(DOT) : UN1950

### 14.2. UN proper shipping name

DOT Proper Shipping Name : Aerosols, non-flammable

Department of Transportation (DOT) Hazard Classes : 2.2

Hazard labels (DOT) :

### 14.3. Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

### 15.2. US State regulations

| TAJ Modular Flooring Adhesive (Spray) | |
|---|---|
| State or local regulations | This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. |

## SECTION 16: Other information

Indication of changes : None.

Date of issue : 08/26/2016

Other information : None.

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