

# MATERIAL SAFETY DATA SHEET

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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** Joimist Firm Finishing Spray (55% VOC)

**MANUFACTURER'S NAME:**

**Zotos International Inc**

**EMERGENCY #:** (800) 584-8038 - 24 hours

**INFORMATION #:** (203) 656-7859 (8:30 am– 5:00 pm)

**ADDRESS (NUMBER, STREET, CITY, STATE, & ZIP CODE):**

100 Tokeneke Road,  
Darien, CT 06820  
www.joico.com

**Distributed in the EU :**

**Joico Laboratories Europe BV – Zotos Europe**  
**Grasbeemd 4**  
**5705 DG Helmond , The Netherlands**  
**Tel. + 31 492 553 999 (Monday through Friday 9.00 – 17.00)**

**Transportation Emergency (24 hour), contact : CHEMTREC – Phone # 1-800-424-9300 (US and Canada)**

**PREPARED: 11/04/2009**

**CURRENT MSDS UPDATE:**

## SECTION 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

This is a personal care product that is safe for consumers and other users under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the supplier upon request.

### POTENTIAL HEALTH EFFECTS:

**Eye:** Contact may cause mild, transient irritation. Some redness and/or stinging may occur.

**Skin:** Not expected to be irritating and/or sensitizing when used as intended. If irritation occurs following intended use or prolonged contact, it is expected to be mild and transient.

**Inhalation:** May cause mild, transient respiratory irritation. Avoid prolonged contact to concentrated vapors.

**Ingestion:** Product used as intended is not expected to cause mild gastrointestinal irritation.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients as defined by OSHA, 29CFR 1910

CHEMICAL NAME(S)	COMMON NAME	CAS NUMBER	COMPOSITION LD50/LC50 RANGE
Ethanol	Alcohol Denat.	64-17-5	LD50(Oral)=7.060 mg/kg (rat); LC50 = No data available
Ethane, 1,1-Difluoro-	Hydrofluorocarbon 152a	75-37-6	LD50 = No data available LC50 = 1,600,000 ppm (1hr, rat)
2-Methylpropane	Isobutane	75-28-5	LD50 = No data available

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LC50 = 57 pph (15m, rat)

## SECTION 4. FIRST-AID MEASURES

**Eye:** Thorough rinsing for 15 – 20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, consult a physician.

**Skin Contact:** Remove contaminated clothing. Wash off with plenty of water and soap.

**Ingestion:** Product is not likely to be ingested. If this occurs, treat symptomatically. Never give anything by mouth to an unconscious person. Call a physician.

**Inhalation:** If respiratory irritation occurs, remove individual to fresh air.

## SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Dry chemical, foam, carbon dioxide, water.

**Explosion Hazard :** Flammable liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.

**Fire Fighting Instructions:** Contact emergency personnel. Flammable material. Use self-contained breathing apparatus and full protective gear if large quantities of product are involved.

**Hazardous Decomposition Products** may be released, including hydrofluoric and/or carbonyl halides. Thermal degradation may also produce oxides of silicone.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Flammable. Do not use near flame or while smoking. Do not spray in eyes. Keep out of reach of children.

**Environmental precautions:** Leaking packages should be placed in open containers outdoors away from any source of ignition.

**Methods for cleaning up:** Seal leak if possible without risk. Prevent dispersion. Collect spilled material in sealable containers. Wash away remainder with plenty of water.

## SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid heat, sparks, flame or smoking during use. Use only in ventilated areas. Avoid extreme heat and ignition sources. Avoid spraying toward open flame. Keep out of reach of children.

**Conditions for Safe Storage:** Avoid heat, sparks, flame or smoking. Avoid extreme heat and ignition sources. Store away from oxidizers. Store in a well ventilated and cool area. Avoid freezing temperatures.

**Other Recommendation:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 120 °F (50 °C).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Engineering measures:** Ventilation recommended.

**Hygiene measures:** When using do not eat, drink or smoke. Follow good housekeeping practices.

## **Personal Protective Equipment**

**Respiratory system:** Use safety glasses or safety goggles if splash hazard exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing. This is a personal care product that is safe for consumers and other users under normal and reasonably foreseen use.

**Other protective equipment:** Not available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Viscous liquid.
<b>Color:</b>	Colored.
<b>Odor:</b>	Fragranced
<b>Boiling point:</b>	Alcohol Denat.- 173 °F
<b>Melting point:</b>	N/A
<b>Density:</b>	N/A
<b>Vapour density (air=1):</b>	N/A
<b>Vapor pressure :</b>	N/A
<b>Specific gravity (H2O=1):</b>	0.800 – 0.825
<b>Solubility in water:</b>	Soluble
<b>Octanol/water partition:</b>	N/A
<b>Coefficient pH:</b>	8.00 – 9.00
<b>Flash point:</b>	55 °F (13 °C)
<b>% VOC:</b>	Complies with Federal and State regulations for VOC content

## SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Do not store containers in direct sunlight. Avoid extreme heat and ignition sources. Store away from oxidizers.

**Hazardous Reactions:** Not available.

**Chemical Incompability:** Do not mix with strong oxidizers

**Hazardous Decomposition Products:** Normal products of combustion.

**Corrosive to Metal:** No.

## SECTION 11. TOXICOLOGICAL INFORMATION

This is a personal care product that is safe for consumers under intended and reasonably foreseeable use.

**Acute toxicity:** N/A

**Dermal:** Repeated exposure may cause skin dryness or cracking.

**Eye irritation:** Direct contact of product with eyes may cause irritation, and may result in irreversible damage.

**Carcinogenity:** Finished product is not expected to be carcinogenic.

## SECTION 12. ECOLOGICAL INFORMATION

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**Environmental hazards:** The data available do not support any environmental hazard. No ecological information is known on the product. Rarely presents a problem when used according to directions. This product is safe for its intended use.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** Bury or incinerate in approved disposal facilities and in accordance with all Federal, State and Local Regulations.

**Contaminated packaging:** Keep waste packaging separate. Because of possible pollution, remove as industrial waste or hazardous waste. Empty containers may be disposed of as normal refuse. Recycle whenever possible. Before offering for recycling empty the can by using the product according to the label.

## SECTION 14. TRANSPORT INFORMATION

DOT Class: Exempt \_\_\_\_ Red Label: \_\_\_\_ Consumer Commodity ORM-D X  
Oxidizer \_\_\_\_ UN No. 1950

## SECTION 15. REGULATORY INFORMATION

**US Federal:** The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetic Act and is safe to use as per directions on container, box or accompanying Literature (where applicable). While this finished product is not considered hazardous as defined by OSHA in 29 CFR 1900. 1200(d), this MSDS contains valuable information critical to the safe handling and proper use of the product.

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This Material is not known to contain any chemicals currently listed as carcinogens or reproductive toxics under California Proposition 65 at levels which would be subject to the proposition.

**Canada:**

**CPR (Canadian Controlled Products Regulations):** All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all information required by CPR.

**IDL (Canadian Ingredient Disclosure List):** Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):**

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

**European Union:**

**EINECS (European Inventory of Existing Commercial Chemical Substances):** Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

**Other:** Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

**Australia:**

Ethanol (CAS # 64-17-5) is found on the following regulatory lists: Australia Inventory of Chemical Substances (AICS) and Australia Poisons Schedule.

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## SECTION 16. SUPPLIER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date issued. We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. The information is offered for the user's consideration and examination, and it is the user's responsibility to satisfy himself that it is suitable and complete for his particular use.

**Abbreviations:**

Na (N/A): Not Available  
UNK: Unknown  
NE (N/E): Not Established