

Safety Data Sheet

Product Name: Frank T Ross Ltd. Weldbond Universal Adhesive.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Product Name Weldbond Universal Adhesive.

Other Identification Means:

Synonyms None

Use of Substance/Preparation and Restrictions:

Recommended Use: Adhesive.
Uses Advised Against: No information available

SDS Supplier Details:

Company Name: Frank T. Ross Limited.
Company Identification: 110 Riviera Drive, Unit 3
Markham, Ontario L3R 5M1

Company Emergency Telephone Number Emergency Phone: 905-940-1107

2. HAZARDS IDENTIFICATION

Classification:

This product is not considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CER 1910.1200) and WHMIS 2015.

GHS Label Elements, including precautionary statement:

Emergency Overview:

The product contains no substances which at given concentration, are considered to be hazardous to health.

Appearance: White, Viscous

Physical State: Liquid

Odour: Mild

Signal Word (GHS-US):

None

Hazard Pictograms (GHS-US):

None

Hazard Statements (GHS-US):

Causes mild skin irritation
May cause slight eye irritation.

Precautionary Statements (GHS-US) - Prevention:

None

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Precautionary Statements (GHS-US) - Response:

None

Precautionary Statements (GHS-US) - Storage:

None

Precautionary Statements (GHS-US) - Disposal:

None

Hazards not otherwise classified (HNOC):

None

Interactions with Other Chemicals:

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical

| Ingredient | CAS# | % by Wt. | Trade Secret |
|------------|------|----------|--------------|
|------------|------|----------|--------------|

No ingredients that require disclosure under OSHA or WHMIS 2015

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures:

| | |
|---|--|
| Eye Contact: | Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. |
| Skin Contact: | Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. |
| Inhalation: | Remove to fresh air. If symptoms persist consult physician. |
| Ingestion: | Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid. |
| Notes to Physician: | Treatment based on judgment of attending physician. |
| Most Important symptoms and effects, both acute and delayed: | No information available |

5. FIRE FIGHTING MEASURES

| | |
|---------------------------------------|---|
| Suitable Extinguishing Media | Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam |
| Unsuitable Extinguishing Media | No information available. |

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Specific Exposure Hazards Thermal decomposition releases irritating gases.

Hazardous Combustion Products Carbon Oxides.

Explosion Data:

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Special safety equipment: Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist.

Environmental Precautions:

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

Method for Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Procedures for Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

Procedures for Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Reference to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection: Keep respiratory protective device available.

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No special measures required.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Protect from humidity and water.
Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Keep container tightly sealed.
Store product above 5°C.
Do not allow to freeze.
Shocking the emulsion with large amounts of chemicals or extreme shear may cause coagulation.

Specific end use(s): Adhesive.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls:

Engineering Measures Showers. Eyewash Stations. Ventilation Systems.

Individual Protection Measures:

Protective not normally require for household use under normal conditions.
For industrial or institutional use see below.

Eye protection: Safety goggles.

Skin protection: Use body-covering impervious clothing.

Hand protection: Chemical resistant gloves.

Respiratory protection: Use local exhaust or dilution ventilation.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | | | |
|-----------------------|---------|--------------|---------|
| Physical State | Liquid | Odour | Typical |
| Appearance | Viscous | | |

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Product Name: Frank T Ross Ltd. Weldbond Universal Adhesive.

Colour White. Odour Threshold No information available.

| <u>Property</u> | <u>Values</u> | <u>Remarks/Method</u> |
|----------------------------|-------------------------|-----------------------|
| pH | No data available | None known |
| Melting/Freezing Point | 0°C/ 32F | None known |
| Boiling Point/Range | Est 100 C / 212 F | None known |
| Flash Point | None | None known |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air: | | |
| Upper Limit | No data available | None known |
| Lower Limit | No data available | None known |
| Vapour Pressure | No data available | None known |
| Vapour density | No data available | None known |
| Specific Gravity | 1.095 g/cm ³ | |
| Water Solubility | Soluble in water. | None known |
| Solubility Other Solvents | No data available | None known |
| Partition Coefficient: | | |
| n-octanol/water | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Kinematic Viscosity | No data available | None known |
| Dynamic Viscosity | 10,500-12,000 cps | None known |
| Explosive Properties | No data available | None known |
| Oxidizing Properties | No data available | None known |

Other Properties:

| | |
|----------------------------|---------------------------|
| Softening Point | No data available |
| VOC Content % | 0.9% or 9 grams per liter |
| Particle Size | No data available |
| Particle Size Distribution | No data available |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity: | No data available |
| Chemical Stability: | Stable under recommended storage conditions |
| Possibility of Hazardous Reactions: | None under normal processing |
| Hazardous Polymerization: | Does not occur. |
| Conditions to avoid: | Incompatible agents |
| Incompatible materials: | Oxidizing agents, acids. |
| Hazardous Decomposition Products: | Carbon oxides. |
| Thermal Decomposition / Conditions to be avoided: | Residual monomer vapors can evolve when this product is heated during processing operations. In such case use local exhaust ventilation with a minimum capture velocity of 30 M/Min at the point of monomer evolution. |

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

| | |
|--------------|--|
| Inhalation | Specific test data for substance/mixture not available |
| Eye Contact | Slight irritation |
| Skin Contact | Specific test data for substance/mixture not available |
| Ingestion | Specific test data for substance/mixture not available |

Component Information:

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|--------------------------|------------------------------|--------------------|
| Weldbond | < 2,000 mg/Kg (oral/rat) | <5,000 mg/Kg (dermal/rabbit) | No data available. |

Information on Toxicological Effects:

Symptoms None known

Delayed/Immediate/Chronic Effects from short and long term exposure:

| | |
|--|---------------------------------------|
| Sensitization | None known |
| Mutagenic Effects | None known |
| Carcinogenicity | No ingredients listed as a carcinogen |
| Reproductive Toxicity | None known |
| STOT- Single Exposure | None known |
| STOT Repeated exposure | None known |
| Chronic Toxicity | None known |
| Target Organ Effects | None Known |
| Numerical Measures of Toxicity (based on GHS Chapter 3.1) | Not applicable |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------|-----------------------------------|
| Ecotoxicity: | Not classified |
| Persistence and Degradability: | No information available |
| Bioaccumulative Potential: | No information available |
| Mobility in Soil: | No information available |
| Other Adverse Effects: | No information available |
| Other Information: | Avoid release to the environment. |

13. DISPOSAL CONSIDERATIONS

Waste treatment Methods

Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the

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Contaminated Packaging: appropriate state, regional, or local regulations for additional requirements. Dispose of contents/containers in accordance with Federal, State, Provincial and local regulations.

California Hazardous Waste Codes None.

Ecology – Waste Materials: Avoid release to the environment.

13. TRANSPORT INFORMATION

| | |
|-----------------------------|----------------|
| DOT: | Not Regulated |
| Proper Shipping Name | Not Regulated |
| Hazard Class | Not Applicable |
| TDG | Not Regulated |
| MEX | Not Regulated |
| ICAO | Not Regulated |
| IATA: | Not Regulated |
| Proper Shipping Name | Not Regulated |
| Hazard Class | Not Applicable |
| IMDG/IMO: | |
| Hazard Class | Not Applicable |
| RID | Not Regulated |
| ADR | Not Regulated |
| ADN | Not Regulated |

15. REGULATORY INFORMATION

International Inventories:

| | |
|------|---|
| TSCA | Complies |
| DSL | All components are listed either on the DSL or NDSL |

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

Canadian Regulations:

| | |
|--------------------------------|------------------------|
| Canadian WHMIS Classification: | Not WHMIS regulated |
| Canadian DSL: | All components appear. |

US Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories:

| | |
|-----------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |

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Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA-Reportable Qtys. | CWA-Toxic Pollutants | CWA-Priority Pollutants | CWA-Hazardous Substances |
|---------------|----------------------|----------------------|-------------------------|--------------------------|
|---------------|----------------------|----------------------|-------------------------|--------------------------|

No chemical regulated under CWA.

CERCLA

This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---------------|--------------------------|------------------------------------|----|
|---------------|--------------------------|------------------------------------|----|

None

US State Regulations:

California Proposition 65

This product does not contain any Proposition 65 Chemicals.

US State Right-To-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---------------|------------|---------------|--------------|--------------|----------|
|---------------|------------|---------------|--------------|--------------|----------|

No chemicals on the right to know state regulations.

| | Health Hazard | Flammability | Instability | Physical Hazard | Physical and Chemical Hazards – Personal Protections |
|------|---------------|--------------|-------------|-----------------|--|
| NFPA | 1 | 0 | 0 | n/a | X |
| HMIS | 1 | 0 | n/a | 0 | B |

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

Date: August 11, 2015

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16. OTHER INFORMATION

Prepared By: Lizmar
32 Louisa Street
Toronto Ontario
M8V 2k6
416-436-5054

Issuing Date: August 11, 2015.

Revision Date: None.

Revision Note: None.

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet