

MATERIAL SAFETY DATA SHEET

Frank T Ross and Sons Ltd.

Weldbond Universal Adhesive

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Weldbond Universal Adhesive	PRODUCT USE:	Adhesive
MANUFACTURER:	Frank T Ross and Sons Ltd	SUPPLIER	Frank T Ross and Sons Ltd
ADDRESS:	70 Esna Park Drive, Unit 14 Markham, Ontario, Canada L3R 6E7	ADDRESS:	70 Esna Park Drive, Unit 14 Markham, Ontario, Canada L3R 6E7
EMERGENCY:	905-940 1107	EMERGENCY #:	905-940-1107

SECTION II: INFORMATION ON INGREDIENTS

There are no potential health effects expected from normal handling this material. Good housekeeping is expected when handling glue products.

This product is Ecologo certified by Environment Canada's Environmental Choice Program CCD-046 Adhesives

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry:	Eye, skin contact, ingestion.
Potential Health Effects:	
Eye Contact:	May cause slight irritation to eyes
Skin Contact:	May cause slight irritation upon repeated/prolonged contact.
Inhalation:	May cause slight nose, throat and respiratory tract irritation
Ingestion:	May cause slight irritation to mouth, esophagus and stomach.
Chronic Effects	As above
Carcinogenicity:	No ingredients listed IARC or NTP or ACGIC. Non-hazardous by WHIMIS/OSHA criteria.
Teratogenicity, Mutagenicity, Reproductive Effects:	The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471)
Skin:	Repeated or prolonged exposures to dilutions can cause drying, de-fatting and dermatitis.

SECTION IV: FIRST AID MEASURES

Eye Contact:	Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.
Skin Contact:	Immediately flush with water for 15 minutes. Seek medical attention if irritation persists. Remove contaminated clothing and launder before reuse.
Inhalation:	Move victim to fresh air.
Ingestion:	DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

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SECTION V: FIRE FIGHTING MEASURES

Flammability: Non flammable
Flash Point deg (C, TCC): Not Applicable

Means of Extinction: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam
Special Fire Hazards: Fire fighters should wear self-contained breathing apparatus.
Auto-ignition temperature: Not applicable.
Flame propagation or burning rate of solid: Not applicable.
Sensitivity to static discharge: Not applicable
Unusual Fire and Explosion Hazards. None expected. As per surrounding fire.
Hazardous decomposition products: Oxides of carbon, oxides of nitrogen.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Before attempting clean up, refer to the hazard data provided above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered container. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations. For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a closed container away from incompatible materials, which include acids, oxidizing materials. Storage temperature should be above freezing. Store between 10C/41F and 49C/120F

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Not normally required
Eye Protection: Not normally required – avoid contact of materials with eyes
Respiratory Protection: Not normally required if good ventilation is maintained.
Other Protective Equipment: As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls: General ventilation normally required. If ventilation practices are not adequate for minimizing exposure, additional ventilation or exhaust systems may be required.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	100	Specific Gravity (H₂O = 1):	1.095	Evaporation Rate (water=1):	Slow
% Volatile (Wt%):	Approx 48 %	Solubility in water:	Dilutable emulsion	PH (as supplied):	5.50 Approx.
Physical State:	Liquid	Viscosity:	10,000-12000cps		
Appearance / Odour:	Thick milky white Liquid with low odor				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable
Incompatible Materials: Strong oxidizing agents, strong acids.
Hazardous Decomposition Products: Oxides of carbon, Oxides of Nitrogen when heated. Hydrochloric acid, volatile amines and low molecular weight hydrocarbons can be produced.

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SECTION XI: TOXICOLOGICAL INFORMATION

There is no test data on this product. Based on the composition of this product, being P.V. AC. Emulsion this would be considered low oral toxicity. This product may cause irritation to the eyes.

VOC: Max. 0.9% or 9 g/l

SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: Not biodegradable

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Not regulated

D.O.T. Classification: Not regulated

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Class:

Not classified

OSHA & WHMIS:

MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations

Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372

None of these ingredients are listed.

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302

None of the ingredients are listed

RCRA 40 CFR 261 (Subpart D)

None of the ingredients are listed

CLEAN WATER ACT – Section 311

None of these ingredients are listed

(Reportable Qty) 40 CFR 116:

CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C)

None of these ingredients are listed

National Pollutant Release Inventory

None of these ingredients are listed

Toxic Substances Control Act (TSCA)

All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List (DSL):

All ingredients are registered on the DSL

SECTION XVI: OTHER INFORMATION

Date:	January 4, 2010	Prepared By:	Technical Services Group	Telephone:	905 940 1107
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).