

SAFETY DATA SHEET

1 Product and Company Identification

Product identifier	100% T Reference Solution		
CAS #	Mixture		
Product use	Analytical Calibration		
Recommended restrictions	None known		
Manufacturer information	Trojan Technologies	Australian supplier	Alastair MacNab
	3020 Gore Road		Trojan Technologies Group ULC
	London, ON N5V 4T7 CA		96 Ricketts Road
	Phone: 519-457-3400		MOUNT WAVERLY VIC 3149
	Phone: 888-220-6118		
CANUTEC	Phone: 613-996-6666	Australian emergency #	Phone: 011 03 97283953
			Mobile: 011 0488 080069

2 Hazards Identification

Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified
WHMIS 2015 defined hazards	
Label elements	
Hazard symbol	None
Signal word	None
Hazard statement	The mixture does not meet the criteria for classification.
Precaution statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known
Supplemental information	None

3 Composition/Information on Ingredients

Mixture Composition comments	This product is considered non-hazardous by WHMIS/OSHA criteria.
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SAFETY DATA SHEET

4 First Aid Measures

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye Contact	Hold eye open and rinse gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or convulsing.
Indication of immediate medical attention and special treatment needed	Direct contact with eyes may cause temporary irritation.
General Information	If feeling unwell, seek medical advice (show the label and SDS where possible). Ensure medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Avoid contact with eyes and skin. Keep out of reach of children.

5 Fire Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion Products	May include and are not limited to: Oxides of carbon.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, refer Section 8 .
Methods and materials for containment and cleanup	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p>
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, refer Section 13 .

7 Handling and Storage

Precautions for safe handling	Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (refer Section 10). Keep out of reach of children.

8 Exposure Controls/Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment, Eye/face protection	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection: Hand protection Other	Impervious gloves. Confirm with reputable supplier first. Wear suitable protective clothing. As required by employer code.
Respiratory protection	Not normally required
Thermal hazards	Not applicable
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

9 Physical and Chemical Properties

Appearance	Liquid
Odor	Odorless
Odor Threshold	Not available
pH	~7
Melting Point / Freezing Point	0°C (32°F)
Initial Boiling Point	100°C (212°F)
Specific gravity	1.00
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Vapor Pressure	Not available
Vapor Density	Not available
Relative Density	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Other information:	
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

10 Stability and Reactivity

Reactivity	None known
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Not corrosive to SAE 1020 Steel or non-clad Aluminum based on test data (UN Manual of Tests and Criteria, Part III, Section 37.1 -Corrosion to metals).
Hazardous decomposition products	May include and are not limited to : Oxides of carbon.

11 Toxicological Information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	Expected to be a low ingestion hazard. May cause stomach distress, nausea or vomiting.
Inhalation	Health injuries are not known or expected under normal use.
Skin contact	Not corrosive or irritating to skin based on test data. No adverse effects due to skin contact are expected.
Eye contact	Not corrosive or irritating to eyes based on test data.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
Information on toxicological effects	
Acute toxicity	Not available
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Exposure minutes	Not available
Erythema value	Not available
Oedema value	Not available
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Corneal opacity value	Not available
Iris lesion value	Not available
Conjunctival reddening value	Not available
Recover days	Not available
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizers.
Skin sensitization	This product is not expected to cause skin sensitization.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance	Formaldehyde (CAS 50-00-0)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	Not available

SAFETY DATA SHEET

Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not an aspiration hazard.

12 Ecological Information

Ecotoxicity	Not available
Persistence and degradability	Not available
Bioaccumulative potential	
Mobility in soil	Not available
Mobility in general	Not available
Other adverse effects	Not available
Aquatic toxicity	Toxic to aquatic life.

13 Disposal Information

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14 Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification	In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.
U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG - Canada)	Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada DSL Challenge Substances: Listed substance

Formaldehyde (CAS 50-00-0) Listed

Export Control List (CEPA 1999, Schedule 3) Not listed

Greenhouse Gases Not listed

Precursor Control Regulations Not regulated

WHMIS Classifications Not applicable

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)
 Formaldehyde (CAS 50-00-0) Listed

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting) No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA)	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

SAFETY DATA SHEET

16. Other Information

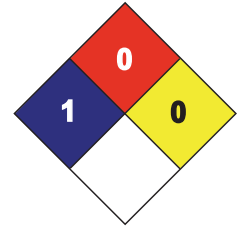
Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein 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 control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

NFPA Code

(Health: 1)
 (Flammability: 0)
 (Reactivity: 0)

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0


Issue Date

02-March-2018

Version #

01

Effective Date

02-March-2018

Prepared by

Manufacturer Personnel

Other Information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.