

( 11316 )

**MATERIAL SAFETY DATA SHEET**

**PRODUCT INFORMATION**

Product Name: PLASMA TORCH COOLANT 30%  
Vendor Name & Address: AUTOMATED CUTTING MACHINERY  
11 GINGER DRIVE  
BARRIE, ON L4N 9Z2  
705-718-8253  
TDG Hazard Classification: NOT REGULATED

**TOXICOLOGICAL DATA**

	% W/W	CAS. NO.	LD50(Oral Rat)	LC50 (Dermal Rabbit)
De-ionized Water	69.5			
Propylene Glycol Industrial Grade	30	57-55-6	21-33.7 g/Kg	20.8g/Kg
Benzotriazole	0.5			

WHMIS Classification: NOT CONTROLLED PRODUCT UNDER WHMIS REGULATIONS

**PHYSICAL/CHEMICAL PROPERTIES**

Appearance: PINK LIQUID  
Odour: ODOURLESS  
Boiling Point: 370°F 188°C  
Vapour Pressure: 0.22 mmHg @ 20°C  
Vapour Density (Air=1): 2.62  
Solubility in Water: COMPLETE  
Specific Gravity: 1.0380 (20/20C), 68°F

**FIRE AND EXPLOSION HAZARD**

Flash Point: 214°F 101°C  
Method Used: TAG, Closed Cup  
Flammable Limits (% in air) LFL: 2.3% UFL: 13.7%  
Extinguishing Media: WATER FOG, ALCOHOL FOAM, CO2, DRY CHEMICAL  
Fire & Explosion Hazards: NOT AVAILABLE  
Fire Fighting Equipment: WEAR POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS.  
Hazardous Decomposition : PROPIONALDEHYDE, CARBON MONOXIDE IN THE PRESENCE OF LIMITED OXYGEN IN A FIRE SITUATION

**REACTIVITY DATA**

Stability: STABLE UNDER NORMAL STORAGE CONDITIONS  
Incompatibility: (SPECIFIC MATERIALS TO AVOID) - OXIDIZING MATERIAL  
Hazardous Polymerization: WILL NOT OCCUR

**HEALTH HAZARD DATA**

Eye Contact: MAY CAUSE SLIGHT TRANSIENT (TEMPORARY) EYE IRRITATION. CORNEAL INJURY IS UNLIKELY  
Skin Contact: PROLONGED CONTACT IS ESSENTIALLY NON IRRITATING TO SKIN. REPEATED EXPOSURE MAY CAUSE SLIGHT FLAKING, TENDERNESS, AND SOFTENING OF SKIN.  
Skin Absorption: A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. THE LD50 FOR SKIN ABSORPTION IN RABBITS IS >10g/kg.  
Ingestion: SINGLE DOSE ORAL TOXICITY IS LOW. THE ORAL LD50 FOR RATS IS 21-33.7 G/KG. \* NO HAZARDS ANTICIPATED FROM INGESTION INCIDENTAL TO INDUSTRIAL EXPOSURE.  
Inhalation: A SINGLE PROLONGED (HOURS) INHALATION EXPOSURE IS NOT LIKELY TO CAUSE ADVERSE EFFECTS. MISTS ARE NOT LIKELY TO BE HAZARDOUS.

**APPROVED MATERIAL**

APR 23 2015

MSDS # 11316

APPROVED BY *Denny B. O.*

**Systemic & Other Effects:** REPEATED EXCESSIVE INGESTION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. DID NOT CAUSE CANCER IN LONG-TERM ANIMAL STUDIES. BIRTH DEFECTS ARE UNLIKELY. EXPOSURES HAVING NO ADVERSE EFFECTS ON THE MOTHER SHOULD HAVE NO EFFECT ON THE FETUS. IN ANIMAL STUDIES, HAS BEEN SHOWN NOT TO INTERFERE WITH REPRODUCTION. RESULTS OF IN VITRO ("TEST TUBE") MUTAGENICITY TESTS HAVE BEEN NEGATIVE. RESULTS OF MUTAGENICITY TEST IN ANIMALS HAVE BEEN NEGATIVE.

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PRECAUTION FOR SAFE HANDLING AND USE

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**Ventilation:** GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT

**Respiratory Protection:** WHEN AIRBORN EXPOSURE GUIDELINES AND/OR COMFORT LEVELS MAY BE EXCEEDED, USE AN APPROVED AIR-PURIFYING RESPIRATOR.

**Skin Protection:** USE IMPERVIOUS GLOVES WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT COULD OCCUR.

**Eye Protection:** USE SAFETY GLASSES. WHERE CONTACT WITH LIQUIDS IS LIKELY, CHEMICAL GOGGLES ARE RECOMMENDED BECAUSE EYE CONTACT WITH THIS MATERIAL MAY CAUSE PAIN, EVEN THOUGH IT IS UNLIKELY TO CAUSE INJURY.

**Action To Take For Spills/Leak:**  
**SMALL SPILLS:** COVER WITH ABSORBENT MATERIAL, SOAK UP AND SWEEP INTO A DRUM **LARGE SPILLS:** DIKE AROUND SPILL AND PUMP INTO SUITABLE CONTAINERS.

**Disposal Method:** REPROCESS OR BURN IN AN APPROVED INCINERATOR IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REQUIREMENTS.

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EMERGENCY FIRST AID PROCEDURES

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**Eye:** IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 5 MINUTES.

**Skin:** WASH OFF IN FLOWING WATER OR SHOWER

**Inhalation:** NO ADVERSE EFFECTS ANTICIPATED BY THIS ROUTE OF EXPOSURE

**Note to Physician:** NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT

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PREPARATION INFORMATION

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**Prepared by:** LAB PERSONNEL

**Date Revised:** JANUARY 2014

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