

Safety Data Sheet

PermaMelt™



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	PermaMelt™	
Product Use:	Liquid Ice Melt	
Effective Date:	February 15, 2015	Replaces: New
Manufacturer Information:	Multiquip Inc 18910 Wilmington Avenue Carson, California 90746 Telephone Number: 800-421-1244	
USA Emergency Phone Number:		
INFOTRAC (24-hr/7 days)	1-800-535-5053	
For Medical Emergency	Call 1-800-535-5053	
Outside the United States	Call collect +1-352-323-3500	

SECTION 2. HAZARD IDENTIFICATION

GHS Pictograms	
GHS Signal Word	WARNING This product is mildly acidic. Avoid contact with eyes and skin. Keep out of reach of children. The product may be harmful if it is inhaled or swallowed.
POTENTIAL HEALTH EFFECTS: CODE OF HAZARD STATEMENTS:	
Physical Hazards	None
Health Hazards	H303 - May be harmful if swallowed. H312 - Harmful in contact with skin. H319 - Causes serious eye irritation. H333 - May be harmful if inhaled.
Environmental Hazards	None
CODE OF PRECAUTIONARY STATEMENTS:	
General	P101 - Keep out of reach of children P103 - Read label before use.
Prevention Statements	P202 - Do not handle until all safety precautions have been read and understood. P262 - Do not get in eyes, on skin or on clothing. P264 - Wash thoroughly after handling using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - Wear respiratory protection.
Response Statements	P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P331 - DO NOT induce vomiting. P340 - Remove victim to fresh air and keep at rest in a position comfortable for breathing. P352 - Wash with plenty of soap and water. P362 - Take off contaminated clothing and wash before reuse.
Storage	P403 - Store in well-ventilated place. P404 - Store in a closed container. P412 - Do not expose to temperatures exceeding 60 °C (140 °F)
Routes of Entry	Eye Contact, Skin Absorption, Ingestion and Inhalation.
Carcinogenicity	None known at this time.

Safety Data Sheet

PermaMelt™



SECTION 3. INGREDIENTS AND HAZARDS IDENTIFICATION

Component	CAS #	EINECS No	Percent	REACH
Water	7732-18-5.	231-791-2	70-80	No
Hydrous Metal Ethanoate	Proprietary	Proprietary	20-30	No

Potential Acute Health Effects:	
Eyes:	Causes eye irritation.
Skin:	Expected to cause irritation to the skin.
Inhalation:	Vapors may cause respiratory irritation.
Ingestion:	Harmful if swallowed.

SECTION 4. FIRST AID MEASURES

Eye Contact:	Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact:	Use soap and water to remove from the skin. Remove contaminated clothing and clean thoroughly before reuse.
Inhalation:	Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.
Ingestion:	If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point:	Not Flammable. Decomposes at very high temperatures.
Flammability Limits:	NE
Fire Fighting Media:	Dry chemical, Foam, and Water Spray or Fog.
Special Fire Fighting Procedures:	First responders need to wear full bunker-gear with SCBA. Never enter a confined space unless fully protected with proper personal protective equipment (PPE).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Clean-up Procedures:	Wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill. Use plastic shovel to pick up absorbent for disposal.
Spills and Leaks:	Dispose in accordance with local, state and federal regulations.

SECTION 7. HANDLING AND STORAGE

Handling:	Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.
Storage:	Store in original labeled container. Keep in cool and dry areas.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Introductory Remarks:	Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over-exposure to airborne levels above recommended exposure limits.	
Personal Protection:	Eyes:	Wear safety goggles or safety glasses to prevent eye contact.
	Body:	Long sleeve shirts, long pants, socks, rubber boots and chemical-resistant gloves.
	Hands:	Chemical resistant gloves.
	Respiratory:	Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.
	Other:	None.

Safety Data Sheet

PermaMelt™



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor/Color	Pungent and Clear Liquid	Vapor Pressure	17.5.2 torr @ 68° F (20° C)
pH	5 - 6	Specific Gravity	1.20
Boiling Point	>212° F (>100 °C)		

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability:	Considered stable under normal ambient temperatures.
Hazardous Decomposition:	If complete combustion, oxides of carbon and acetone may be formed.
Hazardous Polymerization:	Will not occur.
Incompatibility~ Materials to Avoid:	May react with strong oxidizing agents and strong acids.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:	Irritating. Oral LD _{50(mouse)} = >1500 mg/kg Dermal LD _{50(rat)} = >2000 mg/kg
Acute Skin Irritation:	Chronic exposure may be irritating.
Acute Dermal Toxicity:	Not expected to be toxic through the skin.
Acute Inhalation Toxicity:	Not determined, expected to be an irritant to the respiratory system.
Carcinogenic Effects:	None
Existing Medical Conditions Aggravated by Exposure:	Exposure to eyes and skin may cause irritation to pre-existing conditions.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	The toxicity of this product has not been determined.
Environmental Fate:	This product should be expected to be readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Whatever cannot be saved for recovery or recycling should be managed by the local, state or federal regulations.
Container Handling and Disposal:	All containers should be triple rinsed and disposed of according to local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Ground Classification:	Not regulated by US DOT
Shipping Name:	PermaMelt™
Technical Shipping Name:	None
Not regulated by IATA or IMO	

Safety Data Sheet

PermaMelt™



SECTION 15. REGULATORY INFORMATION

EPCRA 311/312 Categories:	Immediate (Acute) Health Effects:	Yes
	Delayed (Chronic) Health Effects:	Yes
	Fire Hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No
WHMIS:	Xi (Irritant to the eyes and skin)	
Right To Know Classification:	Proprietary Compound A is listed in PA and NJ.	
TCSA:	All ingredients listed or exempt from listing.	
Reportable Quantity (RQ):	None	
Prop. 65:	None	
Proprietary Compound A is listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.		

ABBREVIATIONS

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety and Health	NIOSH	National Institute of Safety and Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower Explosive Limit	UEP	Upper Explosive Limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftlist 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act	AICS	Australian Inventory of Chemical Substances
IARC	International Agency for Research on Cancer	Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086

Safety Data Sheet

PermaMelt™



SECTION 16. OTHER INFORMATION

Hazardous Material Information (HMIS)		National Fire Protection Association (NFPA)	
Health	2	Health	1
Fire	1	Fire	1
Reactivity	0	Instability	0
Personal Protection	H	NA	

LEGEND:

Health	4 - Deadly	3 - Extreme Danger	2 - Dangerous	1 - Slight Hazard	0 - No Hazard
Fire	4 - < 73 °C	3 - < 100° C	2 - < 200° C	1 - >200° C	0 - Will not burn
Reactivity/Instability	4 - May detonate	3 - Explosive	2 - Unstable	1 - Normally stable	0 - Stable

Risk Phrases:	R36	Irritating to Eyes
	R37	Irritating to Respiratory System
	R38	Irritating to Skin
Safety Phrases:	S2	Keep Out of Reach of Children
	S24	Avoid Contact with Skin
	S25	Avoid Contact with Eyes
	S37	Wear Suitable Gloves
	S39	Wear Eye/Face Protection

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