



MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Austin Windshield De-Icer Fluid

PRODUCT CODE 817 (UPC 54200 00083)

ISSUE DATE March 19, 2003

EMERGENCY TELEPHONE NUMBERS

MANUFACTURER James Austin Company
STREET ADDRESS 115 Downieville Road
CITY, STATE, ZIP Mars, PA 16046

Medical Information: 1-866-359-5662

Transportation: 1-800-424-9300*

* For spill, leak, fire or transport accident emergencies.

Product Information: 724-625-1535

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	OSHA PEL	EXPOSURE LIMITS	
				ACGIH TLV	NIOSH REL
Methanol	67-56-1	30.9	200 ppm TWA	200 ppm TWA	200 ppm TWA 250 ppm STEL 6000 ppm IDLH
Propylene glycol	57-55-6	3.0	None	None	None

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	May cause eye, skin and respiratory irritation. Vapor Harmful. May be fatal or cause blindness if swallowed. Danger: Poison. Flammable.
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POTENTIAL HEALTH EFFECTS	
INGESTION	May cause mild irritation to mouth, throat, esophagus and stomach.
INHALATION	High concentrations of mists or vapors may cause mild upper respiratory tract irritation with coughing and nasal discharge.
EYE CONTACT	May cause mild irritation with tearing, stinging and redness.
SKIN CONTACT	May cause mild irritation. Repeated or prolonged contact may cause dry and cracked skin with redness and burning.

SECTION 4 -- FIRST AID MEASURES

INGESTION	Immediately rinse mouth with water. If within 30 minutes after ingestion, give a small glass of water or milk (NEVER give anything by mouth to an unconscious person). Do not induce vomiting unless instructed to do so. Seek medical attention immediately.
INHALATION	Remove to fresh air. Seek medical attention immediately if breathing becomes difficult or if overcome by inhalation.
EYE CONTACT	Immediately flush with plenty of water. Remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention immediately if irritation develops or persists.
SKIN CONTACT	Remove contaminated clothing. Flush affected area with water for at least 15 minutes. Wash affected area with mild soap and water. Seek medical attention if symptoms develop or persist.
NOTE TO PHYSICIAN	

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	112 deg F	FLAMMABLE LIMITS	NDA
EXTINGUISHING MEDIA	For small fires, use dry chemical carbon dioxide, water spray, or regular foam. For larger fires, use water spray, fog, or regular foam.		
SPECIAL FIRE FIGHTING PROCEDURES	Wear fire fighting turn-out gear (full Bunker gear) and use self-contained breathing apparatus (SCBA). Do not use straight streams of water.		
FIRE AND EXPLOSION HAZARDS	Flammable Liquid. Can be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air and may travel to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Eliminate all ignition sources. Use clean non-sparking tools to collect absorbed material. Prevent entry into waterway, sewers, basements or confined areas. Absorb or cover with dry earth, sand or non-combustible absorbent material.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Use with adequate ventilation.
STORAGE PRECAUTIONS	Store upright in cool, dry, well ventilated area out of direct sunlight. Store away from incompatible materials. Use with proper personal protective equipment. Do not reuse container. Keep out of reach of children.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Use good personal and industrial hygiene practices. Wash thoroughly after handling product.
ENGINEERING CONTROLS	Use local ventilation to remove vapors at the source.

PERSONAL PROTECTIVE EQUIPMENT

X	RESPIRATOR	Use NIOSH approved respirator if exposure exceeds PEL or TLV limits.
X	GOGGLES / FACE SHIELD	Goggles are recommended if splash potential exists.
X	APRON	Recommended to keep clothing dry during use
X	GLOVES	Recommend neoprene or butyl gloves
	BOOTS	

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Light yellow liquid	BOILING POINT	NDA
ODOR	Slight alcohol aroma	FREEZING POINT	NDA
pH	9.0	VAPOR PRESSURE	NDA
SPECIFIC GRAVITY	.955	VAPOR DENSITY	NDA
SOLUBILITY IN WATER	NDA	EVAPORATION RATE	NDA

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices					
INCOMPATIBILITY	Avoid contact with strong oxidizers					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Carbon monoxide and carbon dioxide					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Consult a local expert for advice on disposal. Ensure that disposal is in compliance with local, state and federal regulations.					
RCRA CLASSIFICATION	No data available					
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE
					NO	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DOT Proper Shipping Name	Methanol solution					
Hazard Class	3					
Identification Number	UN 1993					
Packing Group	III					
Label/Placard	Flammable Liquid					
RQ	Methanol 5000 lbs (2270 kg)					
Exceptions	Consumer Commodity, ORM-D, Exempted by DOT for containers of 1 gallon or less					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
X	SARA TITLE III MATERIAL	Section 304
	USDA AUTHORIZED	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

3	BLUE	HEALTH HAZARD
2	RED	FLAMMABILITY
1	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by James Austin Company in connection with the use of this information.