MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Elite DryLine Iso Gas Line Antifreeze
PRODUCT CODE	54200 45003
ISSUE DATE	August 22, 2011

EMERGENCY TELEPHONE NUMBERS

Medical Information: 1-866-359-5662
Transportation: 1-800-424-9300*
*** For spill, leak, fire or transport accident emergencies.**
Product Information: 724-625-1535

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

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS TWA OSHA Z1	ACGIH STEL	ACGIH TWA
Isopropyl Alcohol	67-63-0	100.00	980 mg/m3 400 ppm	400 ppm	200 ppm

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Flammable. Material can release vapors that readily form flammable mixtures. Vapor accumulation could flash and /or explode if ignited

POTENTIAL HEALTH EFFECTS	
INGESTION	If swallowed, may be aspirated and cause lung damage.
INHALATION	May cause lung damage. May cause central nervous system depression.
EYE CONTACT	Irritating to eyes; may cause severe and permanent damage.
SKIN CONTACT	Prolonged or repeated contact without rinsing with water may cause irritation.

SECTION 4 -- FIRST AID MEASURES

INGESTION	Seek immediate medical attention. Do not induce vomiting..
INHALATION	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
EYE CONTACT	Flush thoroughly with water for at least 15 minutes. Get medical assistance.
SKIN CONTACT	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
NOTE TO PHYSICIAN	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	54 deg F (12C)	FLAMMABLE LIMITS	LEL: 2.0% UEL: 12.7%
EXTINGUISHING MEDIA	Use of dry chemical, carbon dioxide, water spray, alcohol foam. Not recommended to use straight streams of water.		
SPECIAL FIRE FIGHTING PROCEDURES	Use fog or spray to prevent flooding. Be prepared to use MSHA-NIOSH self-contained breathing apparatus (SCBA) and protective clothing. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.		
FIRE AND EXPLOSION HAZARDS	Treat as highly flammable liquid. Vapors are flammable and heavier than air. Vapors may travel to ignition sources. There is the chance of a moderate explosion and/or dangerous fire hazard.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	**Eliminate all sources of ignition immediately.** Mop up residue and rinse area thoroughly with water. Contain run-off with absorbent materials such as sand or clay products and diking. Transfer liquid and absorbent material in approved container. Flush and mop area with water allowing to air dry. Keep spill out of sewers and open bodies of water.

SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Avoid contact with eyes. Use non-sparking tools and explosion proof equipment. Use only with adequate ventilation. Exposure to light, heat or air significantly increases peroxide formation. If evaporated to a residue, the mixture of peroxides residue and material vapor may explode when exposed to heat or shock.
STORAGE PRECAUTIONS	Store container upright. Tighten cap securely. Avoid heat, sparks, and flames. Protect container from physical damage. Keep away from children.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Follow directions on label. Do not store near food stuffs, water or feed.
ENGINEERING CONTROLS	Use local ventilation to remove vapors at the source.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	None required for intended use of the package and application
	GOGGLES / FACE SHIELD	None required for intended use of the package, safety glasses suggested
	APRON	None required for intended use of the package and application
	GLOVES	None required for intended use of the package, impervious gloves suggested
	BOOTS	None required for intended use of the package and application

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid	BOILING POINT	181 deg F (82-83 C)
ODOR	Slight alcohol aroma	FREEZING POINT	-121 deg F (-85C)
pH	N/D	VAPOR PRESSURE	4.3kPa(20C) 12.8kPa(38C)
SPECIFIC GRAVITY	0.786	VAPOR DENSITY	>1.00
SOLUBILITY IN WATER	100%	EVAPORATION RATE	1.2
DENSITY	6.55 lbs/Gal		

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		**STABLE**	X		**UNSTABLE**	
CONDITIONS TO AVOID	**Heat, sparks, flames. No smoking when using.**					
INCOMPATIBILITY	Aldehydes, amines, strong oxidizers, caustics, chlorinated compounds, alkanolamines					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Material does not decompose at ambient temperatures. However, normal storage conditions still might produce peroxides that will accumulate and explode when subjected to heat or shock.					
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

Inhalation	Minimally toxic based upon test data for the material. Elevated temperatures may form vapors which are irritating. May cause headaches and dizziness. Small aspirated amounts may cause chemical pneumonitis or pulmonary edema.
Eye	Irritating and will injure eye tissue.

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		**CONSIDERED BIODEGRADABLE**	X		**NOT BIODEGRADABLE**	
VOC Value	6.551 lbs./gal EPA Method 24					
ECOTOXICITY	Not expected to remain in water or migrate through soil.					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Rinse out container prior to disposal.								
RCRA CLASSIFICATION	Disposal of unused product may be regulated due to IGNITABILITY								
RECYCLE CONTAINER		**YES**	X		**CODE**	2 - HDPE		**NO**	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		**HAZARDOUS**	X		**NOT HAZARDOUS**	
DOT Proper Shipping Name	ISOPROPANOL	(Note Consumer Commodity ORM-D exception)				
Hazard Class	3	(Note Consumer Commodity ORM-D exception)				
Identification Number	UN 1219	(Note Consumer Commodity ORM-D exception)				
Packing Group	II	(Note Consumer Commodity ORM-D exception)				
Label/Placard	Flammable Liquid	(Note Consumer Commodity ORM-D exception)				
Exceptions	Consumer Commodity, ORM-D; Exempted by DOT for containers of 1 gallon or less.					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

X	**SARA TITLE III MATERIAL**	Section 311/312 Reportable Hazard Categories: Fire, Immediate Health, Delayed Health
X	**SARA TITLE III MATERIAL**	Section 313 Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of SARA 313

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

1	**BLUE**	HEALTH HAZARD
3	**RED**	FLAMMABILITY
0	**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.