MATERIAL SAFETY DATA SHEET
COOLANT CONDITIONER

I. PRODUCT AND MANUFACTURER INFORMATION	
Product name	**COOLANT CONDITIONER**
Chemical name	
Synonyms	SUMPSIDE CONDITIONER AND ADDITIVE
CAS number	
Manufacturer	Ashburn Chemical Technologies 2911 Rusk Houston, TX 77003
Emergency phone number	713-425-3000
MSDS prepared by	
Date of last revision	7/28/03

II. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% Optional	OSHA PEL	ACGIH TLV	CHEMICAL AND/OR COMMON NAME(S)
2-Pyridinethiol-1-oxide, sodium salt	3811-73-2		NE	0.35mg/ m3, 8 hr. TWA	

(All other products are not considered to be subject to Section 313 provisions of SARA Title III)

III. PHYSICAL AND CHEMICAL CHARACTERISTICS	
Boiling point	102C
Vapor pressure at 25 °C	19 mm Hg
Vapor density (air = 1)	ND
Solubility in water	54.7% (active ingredient)
Appearance and odor	YELLOW TO AMBER LIQUID, MILD
Specific gravity (H_2O = 1.0)	1.06
pH @ 25C	8.5 to 9.0
Melting point	NA
Evaporation rate (water = 1)	0.8

IV. FIRE AND EXPLOSION HAZARD DATA			
Combustible/Not combustible	Not combustible		
Flammable/Not flammable	Not flammable		
Pyrophoric/Not pyrophoric	Not pyrophoric		
Explosive/Not explosive	Not explosive		
Flash point (test method)	Not applicable/aqueous solution – will not burn		
Flammable limits (in Air % by volume)	Not Applicable	Not Applicable	Not Applicable
Extinguishing media	Not Applicable-Choose extinguishing media suitable for surrounding materials		
Special fire-fighting procedures or equipment	This product would not be expected to burn unless all water is boiled away. The remaining organic compounds may be ignitable. Use water to cool containers exposed to fire.		
Unusual fire and explosion hazards	Intense heat can cause drums to rupture. Cool fire-exposed containers with water.		

ASHBURN
Cut - Clean - Protect

V. REACTIVITY DATA	
Material is stable/unstable	Stable
Conditions to avoid	Oxidizing Agents
Incompatibility (materials to avoid)	Oxidizing Agents
Hazardous decomposition or by-products	Thermal decomposition and combustion are not expected to occur except under extreme conditions.
Hazardous polymerization will/will not occur	Will not occur

VI. HEALTH HAZARD DATA	
Threshold limit value	None Established
Primary route(s) of entry	Skin, Mouth, Eyes
Known Hazards Under 29 CFR 1910.1200	
Mutagenic (genetic defects)	Not a Hazard
Reproductive	Not a Hazard
Systemic	Not a Hazard
Teratogenic (birth defects)	Not a Hazard
Carcinogen listed in:	
NTP (National Toxicology Program)	NO
IARC Monographs	NO
OSHA	NO
Signs and symptoms of exposure	
Inhalation	May irritate mucous membrane.
Skin contact	May cause skin irritation or dermatitis. May include redness, edema, drying, and cracking of the skin.
Eye contact	Weak to moderate eye irritant.
Ingestion	If ingested, gastroenteritis may occur with nausea, vomiting, lethargy and diarrhea.
Emergency first aid procedures	
Inhalation	Remove exposed person (s) to fresh air.
Skin contact	Wash with soap and water. Immediately remove soiled clothing and launder before reuse. Get medical attention if irritation persists.
Eye contact	Flush immediately with water for at least 15 minutes. Get immediate medical attention.
Ingestion	DO NOT INDUCE VOMITING. If conscious give two pints of water. Get immediate medical attention.
Medical conditions generally aggravated by exposure	
Notes to physician	Treat Symptomatically.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE		
Steps to take if released or spilled	Personal protective equipment must be worn. Prevent entry into sewers and waterways. Pick up free liquid for reuse or disposal. Absorb with inert material.	
Waste disposal method	This material if discarded is not hazardous under RCRA 40 CFR 261. Dispose of in accordance with federal, state, and local regs.	
Precautions for handling and storing	Keep containers closed when not in use. Wash thoroughly after handling.	
Other precautions		
Hazard ratings	NFPA	HMIS
Health	2	2
Flammability	0	0
Reactivity	0	0

Personal protection	NA	

VIII. CONTROL MEASURES	
Protective gloves (type and material)	Use nitrile or neoprene gloves.
Eye protection	Chemical goggles or face shield.
Other protective clothing or equipment	Long sleeve shirt is recommended.
Respiratory protection (specify type)	Use NIOSH/MSHA approved full face respirator with a combination organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space and for other poorly ventilated areas and large spill clean-up sites.
Ventilation and conditions	
Local	Use local exhaust ventilation to control mist or vapors.
Mechanical	
Other	
Special	
Work/hygienic practices	Clean hands and contaminated clothing after exposure and before handling food.

IX. ADDITIONAL REGULATORY INFORMATION	
SARA hazard category (Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III)	Immediate (Acute)
Toxic chemical(s) subject to the supplier notification requirements of section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA) and the requirements of 40 CFR part 372	None
Ingredient(s) regulated under the Clean Air Act Section 112 hazardous air pollutants and subject to all reporting requirements of CERCLA (Superfund)	None

NA – not applicable NR – not reported ND – not determined NE – not established UN – unknown

The information presented in this MSDS has been compiled from sources deemed reliable. This MSDS is presented in good faith and believed to be accurate as of the effective date shown above. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer to insure compliance with federal, state, provincial and local laws and regulations.

THIS MATERIAL IS NOT REGULATED AS A DOT HAZARDOUS MATERIAL