



MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Noalox® Anti-Oxidant		CATALOG NUMBER All "30" Series
MANUFACTURER'S NAME IDEAL INDUSTRIES, INC.		EMERGENCY TELEPHONE NO. (815) 895-5181
ADDRESS (Number, Street, City, State, Zip Code) Becker Place, Sycamore, IL 60178		
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD CLASS NO., HAZARD ID NO. (49 CFR 172.101) None		
CHEMICAL DESCRIPTION Petroleum-Based Mixture	FORMULA Proprietary	

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S) [*]	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
9003-29-6	<80	Polybutene	No
7440-66-6	20	Zinc Dust	No
7631-86-9	<5	Silicon Dioxide	No

SECTION II - PHYSICAL DATA

BOILING POINT >500°F °C	SPECIFIC GRAVITY (H ₂ O=1) 1.04	PERCENT VOLATILE BY VOLUME (%) N.F.
SOLUBILITY IN WATER Moderate	pH = 6.5 - 8.0	PERCENT SOLID BY WEIGHT (%) 100
APPEARANCE AND ODOR Gray solid paste, mild odor	IS MATERIAL: LIQUID SOLID GEL GAS <u>PASTE</u>	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 310 F	method used C.O.C.	FLAMMABLE LIMITS LEL UEL N.E. N.E.
EXTINGUISHING MEDIA Use dry chemical, carbon dioxide or foam.		
SPECIAL FIRE FIGHTING PROCEDURES Self-contained respiratory protection should be provided for fire fighters. Keep fire exposed containers cool with water.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Water or foam may cause a frothing reaction. (Water reacts with zinc dust)		

^{*} None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE - Conditions to Avoid <i>None normally expected. Upon prolonged contact, may cause temporary eye discomfort.</i>	
THRESHOLD LIMIT VALUE <i>Zinc dust or silicon dioxide as dust: 10mg/m</i>	
PRIMARY ROUTES OF ENTRY Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)	
EMERGENCY FIRST AID PROCEDURES	
SKIN CONTACT:	<i>Wash with soap and water for 15 minutes</i>
EYE CONTACT:	<i>Flush with water for 15 minutes</i>
INGESTION:	<i>Induce vomiting and consult physician or local poison control center</i>

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE		
<i>Avoid conditions of moisture or high humidity.</i>			
INCOMPATIBILITY (materials to avoid) <i>Avoid strong oxidizers, strong acids and water</i>			
HAZARDOUS DECOMPOSITION PRODUCTS: <i>Excessive heat and burning may release oxides of carbon</i>			
HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID
	WILL NOT OCCUR		<i>None</i>

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <i>Wipe up, shovel or vacuum spilled material. Clean up spills immediately.</i>	
Use absorbent media.	
WASTE DISPOSAL METHOD <i>Comply with Federal, state and local regulations for solid landfill.</i>	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) <i>None Required</i>	
RCRA HAZARDOUS WASTE NO. (40CFR 261.33) <i>None Required</i>	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) <i>120 ml calculated</i>	
^a Theoretical _____ lb/gal	<i>N/A</i>
^b Analytical _____ lb/gal	<i>N/A</i>

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) <i>If TLV exceeded, use NIOSH respirator</i>			
VENTILATION	LOCAL EXHAUST (Specify Rate)	Necessary above TLV	SPECIAL None
	MECHANICAL (General) (Specify Rate) <i>Recommended in closed areas</i>		OTHER None
PROTECTIVE GLOVES (specify type) <i>None normally needed - Neoprene if necessary</i>		EYE PROTECTION (specify type) <i>Safety glasses or splash goggles</i>	
OTHER PROTECTIVE EQUIPMENT <i>Eye fountain in work area is recommended</i>			

SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING <i>Store in dry conditions at temperatures between 40 -120 F</i>	
OTHER PRECAUTIONS <i>Keep away from children, infants and pets.</i>	

SECTION IX - ADDITIONAL INFORMATION

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA:	
<i>CAS # 7440-66-6, Zinc Dust, 20%</i>	
<i>N/A = Not Applicable, N.E. = None Established</i>	
THIS MATERIAL SAFETY DATA SHEET PREPARED BY:	
NAME <i>James R. MacMurdo</i>	SIGNATURE <i>[Signature]</i>
TITLE <i>Quality Assurance Manager</i>	
DATE <i>12/3/2002</i>	