

# Material Safety Data Sheet

Form Number 89-250-887

SECTION 1 - PRODUCT IDENTIFICATION AND USE										
PRODUCT IDENTIFIER ARCAIR® PROTEX® ALCLEAN®			CATALOG NUMBERS 57-021-200							
PRODUCT USE Aluminum Cleaner and Deoxidizer			57-014-000, 57-055-000							
MANUFACTURERS NAME Dynaflux, Inc.		DISTRIBUTOR NAME TWECO Products, Inc.								
STREET ADDRESS 241 Brown Farm Rd.		STREET ADDRESS 4200 West Harry St. P.O. Box 12250								
CITY Cartersville	STATE Georgia	CITY Wichita	STATE Kansas							
ZIP CODE 30120	EMERGENCY PHONE # 404 422-2071	ZIP CODE 67277	EMERGENCY PHONE # (316) 648-5129							
PREPARED BY Dennis Wilson	PHONE NUMBER (316) 946-8385	DATE PREPARED June 1989	DATE REVISED January 1996							
SECTION 2 - HAZARDOUS INGREDIENTS										
HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV						
Phosphoric Acid	9 - 9.6	7664-38-2	1 mg/M <sup>3</sup>	1 mg/M <sup>3</sup>						
Ammonium Bifluoride	1 - 5	1341-49-7	N.Est.	N.Est.						
Inert	Balance	---	---	---						
<p align="center"><b>SECTION 313. SUPPLIER INFORMATION</b></p> <p>THIS PRODUCT DOES <input checked="" type="checkbox"/> DOES NOT <input type="checkbox"/> CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.</p> <table border="0"> <tr> <td>CAS NUMBER</td> <td>CHEMICAL NAME</td> <td>%</td> </tr> <tr> <td>7664-38-2</td> <td>Phosphoric Acid</td> <td>&lt;10</td> </tr> </table> <p>THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS PRODUCT.</p>					CAS NUMBER	CHEMICAL NAME	%	7664-38-2	Phosphoric Acid	<10
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7664-38-2	Phosphoric Acid	<10								
SECTION 3 - PHYSICAL DATA										
PHYSICAL STATE Liquid		ODOR AND APPEARANCE Solvent/acedic, blue								
VAPOR PRESSURE (mm Hg) 17	VAPOR DENSITY (air = 1) N.A.V.	EVAPORATION RATE = water	BOILING POINT (°F/C) 212°F/100°C	FREEZING POINT (°F/C) 13°/-10°						
pH	SPECIFIC GRAVITY 1.139	SOLUBILITY Soluble								
SECTION 4 - FIRE AND EXPLOSION DATA										
FLAMMABILITY Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> IF YES, MEANS OF EXTINCTION N.A.P.										
FLASHPOINT (°F/C) AND METHOD Beyond COC limits	FLAMMABLE LIMIT N.A.P.	LEL N.A.P.	UEL N.A.P.							
UNUSUAL FIRE AND EXPLOSION HAZARDS None										

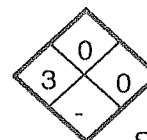
N.A.P.: NON APPLICABLE; N.A.V.: NOT AVAILABLE; N. EST.: NOT ESTABLISHED

N.F.P.A. RATING SYSTEM: 0 - INSIGNIFICANT; 1 - SLIGHT; 2 - MODERATE;  
3 - HIGH; 4 - EXTREME

WMIS CLASSIFICATION: **CLASS "E"**

Flammability

Health



Self-Reactivity

Special Information

**SECTION 5 - REACTIVITY DATA**

CHEMICAL STABILITY Yes [X] No [ ] IF NO, CONDITIONS TO AVOID N.AP.

INCOMPATIBILITY WITH OTHER SUBSTANCES Yes [ ] No [X] IF YES, WHICH ONES? Alkaline material neutralizes

HAZARDOUS POLYMERIZATION Will Occur [ ] Will Not Occur [X] CONDITIONS TO AVOID N.AP.

HAZARDOUS DECOMPOSITION PRODUCTS None known

**SECTION 6 - HEALTH HAZARD DATA**

ROUTE OF ENTRY: SKIN CONTACT [X] SKIN ABSORPTION [ ] EYE CONTACT [X] INHALATION [X] INGESTION [X]

EFFECTS OF ACUTE/CHRONIC EXPOSURE TO PRODUCT Unknown/unknown -- see first aid below

TOXICITY: PHOSPHORIC ACID: Oral, Rat; LD50: 1530 Mg/Kg

CARCINOGENICITY Not Listed

SIGNS AND SYMPTOMS OF EXPOSURE Ingestion harmful by reason of acid burns and fluoride poisoning

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Unknown

EMERGENCY AND FIRST AID PROCEDURES 1. INHALATION: Remove to fresh air; 2. EYES: Flush immediately with water - CONTACT PHYSICIAN; 3. SKIN: Wash immediately with soap and water. Contact physician if irritation persists; 4. INGESTION: DO NOT INDUCE VOMITING! Drink large amounts of milk or antacids - CONTACT PHYSICIAN!

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

LEAK AND SPILL PROCEDURE Contain and avoid contact. Absorb in approved medium. Neutralize with bicarbonate. Flush area with water.

WASTE DISPOSAL METHOD Dispose of in accordance with regulations for inorganic wastes

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store in acid resistant containers away from caustic materials

OTHER PRECAUTIONS KEEP AWAY FROM CHILDREN!!!

**SECTION 8 - CONTROL MEASURES**RESPIRATORY PROTECTION (SPECIFY TYPE)  
N.AP. if used in open (non contained) areasGLOVES (SPECIFY)  
RubberRESPIRATOR (SPECIFY)  
N.AP.EYE (SPECIFY)  
Chemical GogglesFOOTWEAR (SPECIFY)  
N.AP.CLOTHING (SPECIFY)  
N.AP.OTHER (SPECIFY)  
N.AP.

VENTILATION: Same standard as for weld fume removal

LOCAL EXHAUST: See "ventilation" SPECIAL: N.AP.

MECHANICAL  
See "ventilation"OTHER  
N.AP.**WORK/HYGIENIC PRACTICES**

Avoid contaminating food and smoking material by routine hygiene

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES. THIS IS NEITHER AN EXPRESSED NOR IMPLIED PRODUCT SPECIFICATION. RECOMMENDED HANDLING PROCEDURES AND HYGIENE ARE BELIEVED TO BE ACCURATE, HOWEVER, THESE RECOMMENDATIONS SHOULD BE REVIEWED IN THE SPECIFIC CONTEXT OF INTENDED USE AND DETERMINED APPROPRIATE BY THE USER.