

Material Safety Data Sheet  
\*89-250-887/DD\*

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ARCAIR PROTEX ALCLEAN  
CATALOG NUMBERS: 57-021-200, 57-014-000, 57-055-000  
PRODUCT USE: Aluminum Cleaner and Deoxidizer  
MANUFACTURERS NAME: Dynaflux, Inc. EMERGENCY PHONE #: 800-334-4420  
STREET ADDRESS: 241 Brown Farm Road  
CITY: Cartersville STATE: Georgia ZIP CODE: 30120  
DISTRIBUTORS NAME: TWECO Products, Inc EMERGENCY PHONE #: (940) 566-2000  
STREET ADDRESS: 2800 Airport Road  
CITY: Denton STATE: Texas ZIP CODE: 76207  
PREPARED BY: Terry Fulks PHONE NUMBER: (940) 566-2000  
DATE PREPARED: June 1989 DATE REVISED: January 1, 2010  
DOT Hazard Classification: Corrosive Liquid NOS, 8, UN1760,III  
SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV
Phosphoric Acid	9 - 9.6	7664-38-2	1 mg/M3	1 mg/M3
Ammonium Bifluoride	1 - 5	1341-49-7	N.Est.	N.Est.
Inert	Balance	---	---	---

SECTION 313. SUPPLIER INFORMATION

THIS PRODUCT DOES [X] DOES NOT [ ] 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.

CAS NUMBER	CHEMICAL NAME	%
7664-38-2	Phosphoric Acid	<10

THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS PRODUCT.

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: Liquid ODOR AND APPEARANCE: Solvent/acedic, blue Liquid  
VAPOR PRESSURE(mm Hg): 17 VAPOR DENSITY(air=1): N.Av. EVAPORATION RATE: water  
BOILING POINT(F/C): 212F/100C FREEZING POINT(F/C): 13F/-10C pH: 2.5  
SPECIFIC GRAVITY: 1.139 SOLUBILITY: Soluble

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes [ ] No [X] IF YES, MEANS OF EXTINCTION: N.App.  
FLASHPOINT(F/C) and METHOD: Beyond COC limits FLAMMABLE LIMIT: N.App.  
LEL: N.App. UEL: N.App. UNUSUAL FIRE AND EXPLOSION HAZARDS: None

N.App.: NON APPLICABLE; N.AV.: NOT AVAILABLE; N.EST.: NOT ESTABLISHED  
N.F.P.A. RATING SYSTEM: 0 - INSIGNIFICANT; 1 - SLIGHT; 2 - MODERATE;  
3 - HIGH; 4 - EXTREME  
Health = 2 Flammability = 0 Self-Reactivity = 1 Special = none  
WHMIS CLASSIFICATION: CLASS "E"

## SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: Yes ☒ No ☐ IF NO, CONDITIONS TO AVOID: N.App.  
INCOMPATIBILITY WITH OTHER SUBSTANCES: Yes ☐ No ☒ IF YES, WHICH ONES?  
Alkaline material neutralizes HAZARDOUS POLYMERIZATION: Will Occur ☐  
Will Not Occur ☒ CONDITIONS TO AVOID: N.App. HAZARDOUS DECOMPOSITION  
PRODUCTS: None known

## SECTION 6 - HEALTH HAZARD DATA

ROUTE OF ENTRY: SKIN CONTACT ☒ SKIN ABSORPTION ☐ EYE CONTACT ☒  
INHALATION ☒ INGESTION ☒  
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: N.App. if used in open (non contained) areas. In  
enclosed areas, use supplied air, continuous flow respirator for exposures from  
25 to 49mg/m<sup>3</sup>, above 49mg/m<sup>3</sup>, use positive pressure self contained breathing  
apparatus. GLOVES: Rubber RESPIRATOR: See above EYE: Chemical  
Goggles FOOTWEAR: N.App. CLOTHING: N.App. OTHER: N.App.  
VENTILATION: Local Mechanical exhaust to maintain below ACGIH TLV.  
SPECIAL: 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.