

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:	Duo Clean Part A	Date Prepared	May 16, 2013
Product Number(s):	A - 110	Replaces	March 23,2011
Product Use:	Two Part Cleaning System		
Company Name:	Encore Industrial Products, LLC P.O. Box 941119 Houston, TX 77094-1119		
Telephone Numbers:	(281) 944-4777, (877) 703-3044, Fax (281) 944-4778		
Emergencies:	1 (877) 703-3044 Ex. 405 (24 hours, everyday)		

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>CAS Registry No.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>% (Optional)</u>
Hydrogen Chloride	7647-01-0	5PPM	5PPM		1-10
Phosphoric Acid	7664-38-2	1MG/M ³	1MG/M ³		10-20

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Corrosive! Causes burns to all tissues. Fatal if swallowed

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Will cause irritation or burn.

SKIN CONTACT: Will cause irritation or burn.

INHALATION: Will cause choking, irritation, or burn eyes and respiratory tract.

INGESTION: Fatal if swallowed.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Preexisting skin and eye disorders may be aggravated by exposure to this product.

CARCINOGENICITY: NTP? Not determined IARC Monographs? Not determined OSHA Regulated? Not determined.

SECTION 4 FIRST-AID MEASURES

EYE CONTACT: Flush with plenty of water for at least 15 minutes, keeping lids apart. If irritation persists, get medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists, get medical attention. Remove clothing if contaminated.

INHALATION: Not applicable.

INGESTION: Do not induce vomiting. Give large quantities of water or milk if person is conscious. Get immediate medical Attention.

SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: None

FLASHPOINT (Propellant): NA

FLAMMABLE LIMITS: LEL: NA UEL: NA

AUTOIGNITION TEMP: Not determined

FIRE EXTINGUISHING MEDIA: Use water fog, foam, gas (CO2/Halon) dry chemical.

SPECIAL INFORMATION: If possible remove containers from fire area and cool with water spray. Wear protective clothing, eye, face, and skin protection and NIOSH/MSHA approved self-contained breathing apparatus. Toxic acid gases released with heated.

Unusual Fire and Explosion Hazards: The acids also react with most metals to produce explosive and flammable hydrogen gas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Sprinkle an excess of sodium bicarbonate, soda ash, or similar alkali on spill until foaming ceases and acid is neutralized. Rinse area with water.



SECTION 7 STORAGE AND HANDLING

HANDLING: Do not get on skin, eyes, or clothing. If spilled on clothing, remove clothing quickly and flush off exposed skin with water. Do not take internally. May be fatal if swallowed. Use with adequate ventilation. Use adequate eye and skin protection. Wash hands thoroughly after use.

STORAGE: Store in a cool, well-ventilated area away from heat and direct sunlight. Avoid contact with metals, alkalies, and oxidizing materials. Keep containers closed. Keep out of the reach of children.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Local exhaust adequate.

PERSONAL PROTECTION:

EYES: Safety glasses or chemical splash goggles.

HANDS: Acid resistant gloves highly recommended.

RESPIRATORY: None required.

FEET: Acid resistant shoes

BODY: Acid resistant apron.

Work/Hygienic Practices: Do not smoke while using. Wash hands after use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Thin clear liquid with a mild acidic odor.

VAPOR PRESSURE: NA

VAPOR DENSITY: NA

SOLUBILITY IN WATER: Complete

BOILING POINT: Comparable to water

FREEZING / MELTING POINT: NA

EVAPORATION RATE: Comparable to water (slower)

VOC: NA pH: less than 1 Specific Gravity: 1.10

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Do not store in metal containers or at high temperatures or in direct sunlight.

INCOMPATIBILITY (Materials to Avoid): Do not mix with other chemicals. Keep away from combustible materials, metals, alkalies, etc.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride gas and other toxic gases, including phosphoric acid fume, sulfur oxides and carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

No information available.

SECTION 12 ECOLOGICAL INFORMATION

No information available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of according to local regulation for hazardous waste.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation:

Not regulated.

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: No reportable ingredients

SARA TITLE III:

Section 311/312 Hazard Category: Acute: No Chronic: No Fire: No Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients: Hydrogen Chloride CAS: 7647-01-0

Phosphoric Acid CAS: 7664-38-2

SECTION 16 OTHER INFORMATION

NFPA RATING: Health – 3, Flammability – 0, Reactivity – 0, PPE - B

HMIS® RATING: Health – 3, Flammability – 0, Reactivity – 0, PPE - B

HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

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