



**Navy Brand Manufacturing CO.**

**3670 Scarlet Oak BLVD**

**St. Louis, MO 63122**

**Emergency Telephone NO: 1.800.255.3924 CHEM-TEL  
And Other Information Calls: 1.800.325.3312,  
1.636.861.5500**

**AC-41**

## **Safety Data Sheet**

### **SECTION 1: Product & Company Identification**

**1.1 PRODUCT NAME:** AC-41

**SYNONYMS:** N/A

**RESTRICTIONS:** Use in well ventilated room

**CHEMICAL FORMULA:** Proprietary

**PRODUCT USE:** Multi-purpose acid cleaner.

**PRODUCT CODES:** 16-076M

**1.2 MANUFACTURER:** Navy Brand Manufacturing CO  
3670 Scarlet Oak Blvd  
St. Louis, MO 63122

**1.3 EMERGENCY TELEPHONE NUMBER:** 1.800.255.3924 (CHEM-TEL)

### **SECTION 2: Hazard(s) Identification**

**PHYSICAL HAZARDS:** Corrosive to metals: Category 1

**HEALTH HAZARDS:** Skin Corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 1

**SIGNAL WORD:** Danger

**HAZARD STATEMENT:** May be corrosive to metals. Causes skin irritation. Causes serious eye damage.

**PRECAUTIONARY STATEMENTS:** Keep out of reach of children. Keep only in original container. Do not breathe mist or vapor. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Wear protective gloves/protective clothing/eye protection/ face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing. Wash contaminated clothing before reuse. Store away from incompatible materials. Store in well ventilated place. Keep container tightly closed.



SYMBOL: ,

**SECTION 3: Composition/Information on Ingredients**

Hazardous components	CAS#	%BY WT.	ACGIL TLV
PHOSPHORIC ACID	7664-38-2	30	1M

**SECTION 4: First-Aid Measures**

**INHALATION:** If inhaled, remove to fresh air. Give oxygen if breathing is difficult. Consult a physician if symptoms persist.  
**EYES:** Immediately flush eyes with water for 15 minutes, periodically lifting upper and lower lids to ensure complete washing. Get medical attention.  
**SKIN:** Flush with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until cleaned. Get medical attention if irritation persists.  
**INGESTION DO NOT INDUCE VOMITING.** If vomiting occurs spontaneously, keep head below hips to avoid aspiration. Call a physician.  
**NOTE TO PHYSICIAN:** None

**SECTION 5: Fire-Fighting Measures**

**EXTINGUISHING MEDIA:** Suitable for adjacent fire.  
**SPECIAL FIREFIGHTING PROCEDURES:** Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing when this product is involved in a fire.

**SECTION 6: Accidental Release Measures**

**SPILL:** Absorb spillage with clay or other suitable absorbent and put in a suitable container for disposal. Wear protective clothing and equipment, dike to prevent material from entering sewers or waterways. Pump liquid to suitable holding container. Neutralize residues with soda ash or lime and put in container for disposal. Flush area with water.

**SECTION 7: Handling and Storage**

**HANDLING AND STORAGE:** Corrosive liquid and vapors. Use with good ventilation. Use protective clothing and equipment. Check gloves for leaks before use. Do not get in eyes, on skin or clothing. Wash contaminated clothing before reuse. Do not mix with other chemicals or spray this product through a sprayer. Store closed containers in cool, well ventilated area. **KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY.** Do not store in metal containers such as aluminum, tin or zinc that can react and produce flammable hydrogen gas.  
**OTHER PRECAUTIOUS:** Material is acidic. Wear protective equipment to avoid skin and eye contact.

**SECTION 8: Exposure Controls/Personal Protection**

HAZARDOUS INGREDIENT	OSHA PEL	ACGIL TLV
PHOSPHORIC ACID	1M	1M

**VENTILATION:** Adequate ventilation to keep vapor concentrations below exposure limits.  
**RESPIRATORY PROTECTION:** When exposure limits are exceeded, use of a NIOSH approved acid-type vapor respirator or airline mask is recommended.  
**PROTECTIVE GLOVES:** Rubber, Neoprene  
**EYE PROTECTION:** Chemical goggles or faceshield  
**ADDITIONAL MEASURES:** Safety shower, eye bath and washing facilities should be available.

**SECTION 9: Physical and Chemical Properties**

**APPEARANCE:** Water clear  
**ODOR:** Odorless  
**SPECIFIC GRAVITY (water=1):** 1.14-1.16  
**FLASH POINT:** None (Tag Closed Cup)  
**STABILITY:** Stable  
**BOILING POINT (F):** >232  
**FREEZE POINT (F):** ND  
**VAPOR PRESSURE (mmHg):** ND  
**VAPOR DENSITY (Air=1):** ND  
**SOLUBILITY IN WATER:** Complete  
**PERCENT VOLATILE BY VOLUME (%):** NA  
**EVAPORATION RATE (Butyl Acetate=1):** < 1  
**pH (AS RECEIVED):** ~1

**SECTION 10: Stability and Reactivity**

**CONDITIONS TO AVOID:** Do not store in metal containers such as aluminum and galvanized steel. Corrosion could generate flammable hydrogen gas.  
**INCOMPATIBILITY (Materials to Avoid):** Strong oxidizers, alkalis, amines, cyanides and sulfides. Reaction with metals such as aluminum, tin and zinc generates flammable hydrogen. Hypochlorite bleach may produce skin sensitizing sultones.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of phosphorus.  
**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION 11: Toxicological Information**

**ROUTES OF ENTRY:** Primary-Eyes, skin, inhalation and ingestion  
**EYES:** Moderate eye irritation  
**INGESTION:** Medical attention immediately  
**INHALATION:** Respiratory support  
**SKIN:** Moderate skin irritation  
**MEDICAL CONDITIONAL AGGRAVATED:** Pre-existing eye, skin or upper respiratory conditions.  
**ACUTE HEALTH HAZARDS:** Contact will cause severe burns to the eyes and skin with possible irreversible damage to the eyes. Breathing mists and vapors can damage the upper respiratory tract and can cause serious damage to mucous membranes with possible perforation and scarring of affected tissue.  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:** No **OSHA:** No **ACGIH:** **NTP:** **IARC:** **OTHER:**

**SECTION 12: Ecological Information**

**BIODEGRADABILITY:** No further relevant information available  
**BIOACCUMULATION:** No further relevant information available  
**SOIL MOBILITY:** No further relevant information available

**SECTION 13: Disposal Considerations**

**WASTE DISPOSAL:** Disposal should be made in accordance with Federal, State and Local regulations.

**SECTION 14: Transport Information**

**UN NUMBER:** UN1805  
**DOT SHIPPING NAME:** Phosphoric Acid, Solution  
**DOT CLASSIFICATION:** 8  
**PACKING GROUP:** III  
**DOT LABELS:** Corrosive

**SECTION 15: Regulatory Information**

**SARA 311/312 HAZARD CATEGORIES:** Immediate-Health  
**SARA 313 REPORTABLE INGREDIENTS:** Phosphoric Acid CAS# 7664-38-2  
**STATE REGULATIONS:** N/A  
**CERCLA HAZARDOUS SUBSTANCE & RQ:** Phosphoric Acid CAS# 7664-38-2, RQ, 5,000 LBS.

**SECTION 16: Other Information**

N/A

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**Codes and Abbreviations:**

0- Insignificant	NA- NOT APPLICABLE	p-PPM
1- Slight	NE- NOT ESTABLISHED	M-mg/M3
2- Moderate	ND- NOT DETERMINED	c-Ceiling
3- High	UNK- UNKNOWN	STEL- SHORT TERM
4- Extreme	PEL- PERMISSIBLE	EXPOSURE LIMIT
-	EXPOSURE LIMIT	TLV- Threshold Limit Value

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