

# **SOCAR CHEMICAL COMPANY INC**

**2609 RUTHERFORD RD**

**GREENVILLE SC 29609**

**864-244-5068**

SAFETY DATA SHEET: **AC-10**

ISSUE DATE: 9-25-15

## **SECTION 1: IDENTIFICATION PRODUCT AND COMPANY**

**PRODUCT NAME:** AC-10

**CHEMICAL FAMILY NAME:** PHOSPHORIC

**PRODUCT USE:** TO BRIGHTENS ALUMINUM SURFACES

**SUPPLIER/MANUFACTURER'S NAME:** SOCAR CHEMICAL COMPANY INC.

**ADDRESS:** 2609 RUTHERFORD RD, GREENVILLE SC 29609, USA

**EMERGENCY PHONE:** CHEMTREC 1-800-424-9300 CCN695199

**BUSINESS PHONE:** 1-864-244-5068

**FAX#** 1-864-268-2742

**MONDAY-FRIDAY, 7AM-4PM**

**WEB SITE:** [www.socarchemical.com](http://www.socarchemical.com)

## **SECTION 2: HAZARDOUS IDENTIFICATION**

**EMERGENCY OVERVIEW:** THIS IS A LIGHT GREEN LIQUID WITH A SLIGHT ACID ODOR.

**IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS:** THIS PRODUCT IS CORROSIVE AND CAN CAUSE CHEMICAL EYE BURNS, CHEMICAL SKIN BURNS, AND CHEMICAL GASTROINTESTINAL BURNS.

### **OSHA HAZARD CLASSIFICATION(S):**

CORROSIVE CATEGORY

EYE IRRITATION, CATEGORY

**SIGNAL WORD:** WARNING!



### **HAZARD STATEMENT(S):**

CORROSIVE CAN CAUSE BURNS

### **PRECAUTIONARY STATEMENT(S):**

KEEP CONTAINER TIGHTLY CLOSED

WEAR PROTECTIVE GLOVES AND EYE/FACE PROTECTION

STORE IN COOL/WELL VENTILATED PLACE

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS NUMBER	PERCENT BY WEIGHT
WATER	7732-18-5	
PHOSPHORIC ACID	7664-38-2	

**US OSHA HAZARD SYMBOL US DOT SYMBOLS**

CORROSIVE

**TRADE SECRET:** THE SPECIFIC CHEMICAL IDENTITY AND EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET

**SECTION 4: FIRST AID MEASURES**

**EYE CONTACT:** FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE ATTENTION.

**SKIN CONTACT:** REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING AND CLEAN SHOES BEFORE REUSE.

**INHALATION:** REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, GET MEDICAL ATTENTION

**INGESTION:** DO NOT INDUCE VOMITING. GIVE VICTIM TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** PREEXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

**CHRONIC:** NO INFORMATION FOUND

**SECTION 5: FIRE FIGHTING MEASURES**

**FIRE EXTINGUISHING MATERIALS:** SUITABLE EXTINGUISHING MEDIA: USE DRY CHEMICAL, CO<sub>2</sub>, WATER SPRAY OR "ALCOHOL" FOAM.

EXTINGUISHING MEDIA TO AVOID: MATERIAL WILL NOT BURN

**FLASH POINT:** NO FLASH POINT SEEN AT OR BELOW 212 DEG. F (100 DEG. C), ASTM D-93

**AUTOIGNITION TEMPERATURE:**

**FLAMMABLE LIMITS:** NON FLAMMABLE

**UNUSUAL FIRE AND EPLOSION HAZARDS:**

**EXPLOSION SENSITIVITY TO MECHANICAL IMPACT:**

**EXPLOSION SENSITIVITY TO STATIC DISCHARGE:**

**SPECIAL FIRE FIGHTING PROCEDURES:** FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARTAUS AND FULL FIRE-FIGHTING TURNOUT GEAR.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8.

**ENVIRONMENTAL PRECAUTIONS:** PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS OR WATERWAYS.

**SPILLS:** DIKE OR SOAK-UP WITH INERT ABSORBENT MATERIAL.

DILUTE WITH WATER AND RINSE INTO SANITARY SEWER SYETEM OR DISPOSE INTO SUITABLE CONTAINER.

**SECTION 7: HANDLING AND STORAGE**

**SDS AC-10 PAGE 3**

**HANDLING:** ENSURE ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. AVOID SKIN CONTACT. AVOID EYE CONTACT. DO NOT EAT, DRINK, OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. KEEP AWAY FROM ALUMINUM AND ZINC.

**STORAGE:** KEEP CONTAINER TIGHTLY CLOSED. KEEP IN COOL DRY PLACE. STORE AWAY FROM ACIDS.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE LIMITS/GUIDELINES:

CHEMICAL NAME	CAS#	ACGIH TWA	OSHA TWA	SWA
WATER	7732-18-5	NOT LISTED	NOT LISTED	NOT LISTED
PHOSPHORIC ACID	7664-38-2			

**EXPOSURE LIMIT VALUES:** NO COMPONENTS LISTED WITH TWA OR STEL VALUES UNDER OSHA OR ACGIH.

**ENGINEERING CONTROLS:** USE IN A WELL-VENTILATED AREA.

**RESPIRATORY PROTECTION:** USE IN WELL-VENTILATED AREAS.

**EYE PROTECTION :** USE PROTECTIVE GOGGLES.

**SKIN PROTECTION:** DERMAL SENSITIVE INDIVIDUALS SHOULD USE PROTECTIVE GLOVES.

**GENERAL HYGIENE CONSIDERATIONS:** WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** LIGHT GREEN LIQUID

**ODOR:** SLIGHT ACIDIC ODOR

**ODOR THRESHOLD (PPM):** MILD

**PH:** 1.5

**FREEZING POINT (C°):** 32 DEG F

**BOILING POINT (C°):** 316 DEG F

**FLASH POINT ASTM D-93:** NOT APPLICABLE

**EVAPORATION:** 1

**FLAMMABILITY:** NOT APPLICABLE

**EXPLOSIVE LIMITS:** NOT APPLICABLE

**VAPOR PRESSURE (mmHg):** 0.03 @ 20C (68F)

**VAPOR DENSITY (AIR=):** 3.4

**RELATIVE DENSITY:** NOT APPLICABLE

**SOLUBILITY(IES):** 100%

**PARTITION COEFFICIENT: N-OCTANOL/WATER:**

**AUTOIGNITION TEMPERATURE:** NOT APPLICABLE

**DECOMPOSITION TEMPERATURE:** NOT APPLICABLE

**VISCOSITY:** <100 CENTIPOISE

**SECTION 10: STABILITY AND REACTIVITY**

**REACTIVITY:**

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

**CONDITIONS TO AVOID:** INCOMPATIBLES

**DECOMPOSITION OR BY-PRODUCTS:** PHOSPHOROUS OXIDES MAY FORM WHEN HEATED TO DECOMPOSITION

**SECTION 11: TOXICOLOGICAL INFORMATION**

**EFFECTS OF EXPOSURE:**

NOT EXPECTED TO BE HAZARDOUS UNDER TYPICAL USE CONDITIONS.

**ACCUTE TOXICITY:** ORAL LD50 (RAT): >5 G/KG BODY WEIGHT

DERMAL LD50 (RABBIT): >5 G/KG BODY WEIGHT

CALCULATED VIA OECD HARMONIZED INTEGRATED CLASSIFICATION SYSTEM FOR HUMAN HEALTH AND ENVIRONMENTAL HAZARDOUS OF CHEMICAL SUBSTANCES AND MIXTURES.

**EYES:** MINIMAL IRRITANT PER OCULAR IRRITATION (R\*) ASSAY MODELING. NO ANIMAL TESTING PERFORMED.

**SKIN:** NON-IRRITANT PER DERMAL IRRITATION (R\*) ASSAY MODELING. NO ANIMAL TESTING PERFORMED.

**SECTION 12: ECOLOGICAL INFORMATION**

**AQUATIC TOXICITY:** LOW, BASED ON OECD 201, 202, 203 +MICROTOX: EC50 & IC50>=100 MG/L.

**TERRESTRIAL TOXICITY:** LOW BASED ON TOXICOLOGY PROFILE.

**PERSISTENCE AND DEGRADABILITY:** READILY BIO-DEGRADABLE PER OECD 301D, CLOSED BOTTLE TEST.

**MOBILITY:** NO DATA AVAILABLE.

**BIOACCUMULATION:** NOT APPLICABLE.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**APPROPRIATE METHOD FOR DISPOSAL:** UNUSED PRODUCT \*DILUTE WITH WATER AND DISPOSE BY SANITARY SEWER.

**USED PRODUCT:** USED PRODUCT MAY BE HAZARDOUS DEPENDING ON THE CLEANING APPLICATION AND RESULTING CONTAMINANTS.

**EMPTY CONTAINERS:** TRIPLE-RINSE WITH WATER AND OFFER FOR RECYCLING IF AVAILABLE IN YOUR AREA.

\*DISPOSE OF USED OR UNUSED PRODUCT, AND EMPTY CONTAINERS IN ACCORDANCE WITH THE LOCAL, STATE, PROVINCIAL, AND FEDERAL REGULATIONS FOR YOUR LOCATION. NEVER DISPOSE OF USED DEGREASING REINSTATES INTO LAKES, STREAMS, AND OPEN BODIES OF WATER OR STORM DRAINS.

**SECTION 14: TRANSPORT INFORMATION**

**UN NUMBER:** UN1805

**PROPER SHIPPING NAME:** PHOSPHORIC ACID SOLUTION

**HAZARD CLASS NUMBER AND DESCRIPTION:** 8

**PACKAGING GROUP:** III

**DOT LABEL(S) REQUIRED:** CORROSIVE

**SECTION 15: REGULATORY INFORMATION**

US FEDERAL REGULATIONS:

311/312 HAZARD CATEGORIES:

FIRE HAZARD: NO

PRESSURE HAZARD: NO

REACTIVITY HAZARD: NO

IMMEDIATE HAZARD: YES

**SDS AC10 PAGE 5**

DELAYED HAZARD: NO

SECTION 313 TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF THAT SECTION AND 40 CFR PART 372: (EPCRA):

INGREDIENT	CAS#	%	BY WT
PHOSPHORIC ACID	7664-38-2		2-4%

STATE REGULATIONS:

CHEMICAL INVENTORIES:

THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE CHEMICAL NOTIFICATION REQUIREMENTS OF TSCA.

ALL APPLICABLE CHEMICAL INGREDIENTS IN THIS MATERIAL ARE LISTED ON THE EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS), OR ARE EXEMPT POLYMERS WHOSE MONOMERS ARE LISTED ON EINECS.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST.

NFPA HAZARD CLASSIFICATION:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
SPECIAL HAZARDS	NONE

ACID/BASE	ACID
-----------	------

CORROSIVE	YES
-----------	-----

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS ARE DESIGNED FOR USE BY EMERGENCY RESPONSE PERSONNEL TO ADDRESS THE HAZARDS THAT ARE PRESENTED BY SHORT TERM, ACUTE EXPOSURE TO A MATERIAL UNDER CONDITIONS OF FIRE, SPILL, OR SIMILAR EMERGENCIES. HAZARD RATINGS ARE PRIMARILY BASED ON THE INHERENT PHYSICAL AND TOXIC PROPERTIES OF THE MATERIAL BUT ALSO INCLUDE THE TOXIC PROPERTIES OF COMBUSTION OR DECOMPOSITION PRODUCTS THAT ARE KNOWN TO BE GENERATED IN SIGNIFICANT QUANTITIES.

HMS HAZARD CLASSIFICATION:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PROTECTION	X- SEE PPE SECTION

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS(R\*)) HAZARD RATINGS ARE DESIGNED TO INFORM EMPLOYEES OF CHEMICAL HAZARDS IN THE WORKPLACE. THESE RATINGS ARE BASED ON THE INHERENT PROPERTIES OF THE MATERIAL UNDER EXPECTED CONDITIONS OF NORMAL USE AND ARE NOT INTENDED FOR USE IN EMERGENCY SITUATIONS. HMIS (R\*) RATINGS ARE TO BE USED WITH A FULLY IMPLEMENTED HMIS (R\*) PROGRAM. HMIS (R\*) IS A REGISTERED MARK OF THE NATIONAL PAINT AND COATINGS ASSOCIATION (NPCA).

**SSDS AC10 PAGE 6**

**SECTION 16: OTHER INFORMATION**

**PREPARED BY:** DAWN STYLES, SOCAR CHEMICAL

**DATE OF LAST REVISION:** SEPTEMBER 2015

**DISCLAIMER:** TO THE BEST OF SOCAR CHEMICAL'S KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS RELIABLE AND ACCURATE AS OF THIS DATE; HOWEVER, ACCURACY, SUITABILITY OR COMPLETENESS IS NOT GUARANTEED AN NO WARRANTIES OF ANY TYPE EITHER EXPRESS OR IMPLIED ARE PROVIDED. THE INFORMATION CONTAINED HEREIN RELATES ONLY TO THE SPECIFIC PRODUCT.