

SOCAR CHEMICAL COMPANY INC
2609 RUTHERFORD RD
GREENVILLE SC 29609
864-244-5068

SAFETY DATA SHEET: **TOILET BOWL CLEANER**
ISSUE DATE: 10-16-15

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: TOILET BOWL CLEANER
CHEMICAL FAMILY NAME: ACIDIC BASE METAL BRIGHTNER
PRODUCT USE: TO BRIGHTEN ALUMINUM WHEELS, RUST REMOVER, MUD REMOVER

SUPPLIER/MANUFACTURER'S NAME: SOCAR CHEMICAL COMPANY INC.
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SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: THIS IS A PINK LIQUID WITH A SLIGHT ACID ODOR. EXPOSURE CAN BE IRRITATING TO EYES, RESPIRATORY SYTEM AND SKIN. THIS PRODUCT IS CORROSIVE AND COULD CAUSE BURNS TO SKIN AND EYES.

GHS CLASSIFICATION

ACUTE TOXICITY – ORAL	CATEGORY 2
ACUTE TOXICITY – DERMAL	CATEGORY 1
ACUTE TOXICITY – INHALATION (DUST/MISTS)	CATEGORY 2
SKIN CORROSION/IRRITATION	CATEGORY 1 SUB CATEGORY A
SERIOUS EYE DAMAGE/EYE IRRITATION	CATEGORY 1

SIGNAL WORD: DANGER!



HAZARD STATEMENT:

H300-FATAL IF SWALLOWED
H310-FATAL IN CONTACT WITH SKIN
H330-FATAL IF INHALED,
H314- CAUSES SEVERE SKIN BURNS AND EYE DAMAGE

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PRECAUTIONARY STATEMENT(S): PREVENTION

P-264 WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING
P-270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT
P-262 DO NOT GET IN EYES ON SKIN OR ON CLOTHING
P-280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P-260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPORS/SPRAY
P-271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA

PRECAUTIONARY STATEMENTS – RESPONSE

P305+P351+P338- IF IN EYES: RINSE WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P302 + P363-IF ON SKIN: WASH CONTAMINATED CLOTHING BEFORE REUSE
P304 + P312-IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P301 + P312- IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P330+ P331- RINSE MOUTH, DO NOT INDUCE VOMITING

PRECAUTIONARY STATEMENTS –STORAGE

P405-STORE LOCKED UP
P403 + P404 - STORE IN A WELL VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED

PRECAUTIONARY STATEMENTS – DISPOSAL

P501- DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PERCENT BY WEGHT
WATER	7732-18-5	>/=88
HYDROFLUORIC ACID	7664-39-3	>/=6
PHOSPHORIC ACID	7664-38-2	>/=6

SECTION 4: FIRST AID MEASURES

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

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

EYES CONTACT: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE 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: ACUTE AND CHRONIC RESPIRATORY DISEASES.

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RECOMMENDATIONS TO PHYSICIANS: FOR BURNS OF LARGE SKIN AREAS, (GREATER THAN 25 SQUARE INCHES), FOR INGESTION AND FOR SIGNIFICANT INHALATION EXPOSURE, SEVERE SYSTEMIC EFFECTS MAY OCCUR. MONITOR AND CORRECT FOR HYPOCALCEMIA, CARDIAC ARRHYTHMIAS, HYPOMAGNESEMIA, AND HYPERKALEMIA. IN SOME CASES RENAL DIALYSIS MAY BE INDICATED. *FOR CERTAIN BURNS ESPECIALLY OF THE DIGITS, USE OF INTRA-ARTERIAL CALCIUM GLUCONATE MAY BE INDICATED. FOR INHALATION EXPOSURES TREAT AS CHEMICAL PNEUMONIA.

SECTION 5: FIRE FIGHTING MEASURES

FIRE EXTINGUISHING MATERIALS: USE DRY CHEMICAL, CO₂, WATER SPRAY OR "ALCOHOL" FOAM. DO NOT USE SOLID STREAM OF WATER NEAR RUPTURED TANKS OF SPILLS. ACID REACTS WITH WATER AND CAN SPLATTER ACID ONTO PERSONNEL. CARE SHOULD BE EXERCISED WHEN WATER IS USED TO DILUTE ACID.

FLASH POINT: NOT FLAMMABLE

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLAMMABLE LIMITS: LOWER (LEL): NOT APPLICABLE UPPER (UEL): NOT APPLICABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: REACTION WITH CERTAIN METALS GENERATES FLAMMABLE AND POTENTIALLY EXPLOSIVE HYDROGEN GAS. CONSIDERABLE HEAT IS EVOLVED WHEN CONTACTED WITH MANY SUBSTANCES. HEAT INCREASES PRESSURE AND MAY EXPLODE CONTAINER. WILL REACT WITH WATER AND GENERATE HEAT AND FUMES.

EXPLOSION SENSITIVITY TO MECHANICAL IMPACT: NOT SENSITIVE

EXPLOSION SENSITIVITY TO STATIC DISCHARGE: NOT SENSITIVE

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS APPROVED BY NIOSH AND FULL FIRE-FIGHTING TURNOUT GEAR.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: DEPENDING ON EXTENT OF RELEASE, CONSIDER THE NEED FOR FIRE FIGHTERS/EMERGENCY RESPONDERS WITH ADEQUATE PERSONAL PROTECTIVE EQUIPMENT FOR CLEANING.

DO NOT EAT, DRINK OR SMOKE WHILE CLEANING UP. USE SELF CONTAINED RESPIRATOR, A MASK WITH FILTER (TYPE A CLASS 3), OR A FILTERING MASK (e.g. EN 405). WEAR PROTECTIVE CLOTHING, SAFETY GLASSES AND IMPERVIOUS GLOVES (e.g. NEOPRENE GLOVES). ENSURE ADEQUATE VENTILATION. AVOID ALL SOURCES OF IGNITION, HOT SURFACES AND OPEN FLAMES.

SPILLS: PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS OR WATERWAYS. DIKE OR SOAK-UP WITH INERT ABSORBENT MATERIAL.

METHOD FOR CLEAN UP: DILUTE WITH WATER AND RINSE INTO SANITARY SEWER SYSTEM OR DISPOSE INTO SUITABLE CONTAINER.

SECTION 7: HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: AVOID CONTACT WITH EYES. AVOID PROLONGED REPEATED SKIN CONTACT AND BREATHING MIST/VAPORS. USE IN WELL VENTILATED AREA AWAY FROM ALL IGNITION SOURCES. SWITCH OFF ALL ELECTRICAL DEVICES SUCH AS PARABOLIC HEATERS, HOTPLATES, STORAGE HEATERS ETC. IN GOOD TIME FOR THEM TO HAVE COOLED DOWN BEFORE COMMENCING WORK. DO NOT SMOKE;

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DO NOT WELD. DO NOT EMPTY WASTE INTO SANITARY DRAINS. TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.

STORAGE AND HANDLING PRACTICES: 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. KEEP CONTAINER TIGHTLY CLOSED. KEEP IN COOL DRY PLACE. STORE AWAY FROM ACIDS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT/GUIDELINES

CHEMICAL NAME	CAS#	ACGIH TWA	OSHA TWA	SWA
WATER	7732-18-5	NOT LISTED	NOT LISTED	NOT LISTED
HYDROFLUORIC ACID	7764-39-3	3ppm=CEILING	3ppm TWA 6PPM (STEL) urine preshift	
PHOSPHORIC ACID	7664-38-2	1MG/M3 8-hour	1MG/M38-hour	3MG/M3 15min

CURRENTLY, INTERNATIONAL EXPOSURE LIMITS ARE NOT ESTABLISHED FOR THE COMPONENTS OF THIS PRODUCT. PLEASE CHECK WITH COMPETENT AUTHORITY IN EAC COUNTRY FOR THE MOST RECENT LIMITS IN PLACE.

VENTILATION AND ENGINEERING CONTROLS: USE WITH ADEQUATE VENTILATION TO ENSURE EXPOSURE LEVELS ARE MAINTAINED BELOW THE LIMITS PROVIDED BELOW. USE LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE DUST. ENSURE EYEWASH/SAFETY SHOWER STATIONS ARE AVAILABLE NEAR AREAS WHERE PRODUCT IS USED.

THE FOLLOWING INFORMATION ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT IS PROVIDED TO ASSIST EMPLOYERS IN COMPLYING WITH OSHA REGULATIONS FOUND IN 29 CFR SUBPART 1 (BEGINNING AT 1910.132) OR EQUIVALENT STANDARD OF CANADA OR STANDARDS OF EU MEMBER STATES (INCLUDING EN149 FOR RESPIRATORY PPE, AND EN 166 FOR FACE/EYE PROTECTION), AND THOSE OF JAPAN. PLEASE REFERENCE APPLICABLE REGULATIONS AND STANDARDS FOR RELEVANT DETAILS.

RESPIRATORY PROTECTION: MAINTAIN AIRBORNE CONTAMINANT CONCENTRATIONS BELOW GUIDELINES LISTED ABOVE, IF APPLICABLE. IF NECESSARY USE ONLY RESPIRATORY PROTECTION AUTHORIZED IN THE U.S. FEDERAL OSHA RESPIRATORY PROTECTION STANDARD (29CFR 1910.134) EQUIVALENT U.S. STATE STANDARDS, CANADIAN CSA STANDARD Z94.4-93, THE EUROPEAN STANDARD EN149, OR EU MEMBER STATES.

EYE PROTECTION: SAFETY GLASSES. IF NECESSARY REFER TO THE U.S. OSHA 29CFR 1910.133 OR APPROPRIATE CANADIAN STANDARDS.

HAND PROTECTION: USE CHEMICAL RESISTANT GLOVES TO PREVENT SKIN CONTACT. IF NECESSARY REFER TO U.S. OSHA 29 CFR 1910.138 OR APPROPRIATE STANDARDS OF CANADA.

BODY PROTECTION: USE BODY PROTECTION APPROPRIATE TO PREVENT CONTACT (e.g. LAB COAT, OVERALLS). IF NECESSARY REFER TO APPROPRIATE STANDARDS OF CANADA, OR APPROPRIATE STANDARDS OF THE EU AUSTRALIAN STANDARDS OR RELEVANT JAPANESE STANDARDS.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: PINK CLEAR LIQUID

ODOR: ACIDIC

ODOR THRESHOLD (PPM): MILD

PH: 1

FREEZING POINT: NOT APPLICABLE

BOILING POINT: 152 F

FLASH POINT: NOT FLAMMABLE

EVAPORATION RATE: <1

FLAMMABILITY: NOT APPLICABLE

EXPLOSIVE LIMITS (mmHg): NOT APPLICABLE

VAPOR DENSITY (AIR=1): .714 @ 70 DEGREES F

RELATIVE DENSITY: NOT AVAILABLE

SOLUBILITY: 100%

PARTITION COEFFICIENT: N-OCTANOL/WATER: NOT AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT AVAILABLE

DECOMPOSITION TEMPERATURE: NOT AVAILABLE

VISCOSITY: <100 CENTIPOISE

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: NOT AVAILABLE

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT AVAILABLE

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: GLASS, CONCRETE AND OTHER SILICONE BEARING MATERIALS: YIELD SILICONE TETRAFLUORIDE GAS. PRESSURE BUILDUP FROM THIS PROCESS HAS BEEN KNOWN TO BLOW UP GLASS CONTAINERS. CARBONATES, SULFIDES, AND CYANIDES: YIELD TOXIC GASES: CARBON DIOXIDE, HYDROGEN SULFIDE, AND HYDROGEN CYANIDE. ALKALIES SOME OXIDES: CAUSE STRONG VIOLENT EXOTHERMIC REACTIONS. COMMON METALS: YIELD HYDROGEN GAS, A FIRE AND EXPLOSIVE REACTIVE HAZARD. CORROSIVE TO MANY MATERIALS INCLUDING LEATHER AND MANY ORGANICS. CONSIDERABLE HEAT IS EVOLVED AND A VIOLENT REACTION CAN OCCUR WHEN WATER IS ADDED TO STRAIGHT ACID.

DECOMPOSITION PRODUCTS: NOT APPLICABLE

SECTION 11: TOXICOLOGICAL INFORMATION

IRRITANCY OF PRODUCT: CONTACT WITH THIS PRODUCT CAN BE IRRITATING TO EXPOSED SKIN, EYES, AND RESPIRATORY SYSTEM.

SENSITIZATION OF PRODUCT: THIS PRODUCT IS NOT CONSIDERED A SENSITIZER.

REPRODUCTIVE TOXICITY INFORMATION: NOT AVAILABLE

TOXICITY DATA: NOT AVAILABLE

SUSPECTED CANCER AGENT: NONE OF THE INGREDIENTS ARE FOUND ON THE FOLLOWING LISTS: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC AND THEREFORE IS NOT CONSIDERED TO BE, NOR SUSPECTED TO BE A CANCER-CAUSING AGENT BY THESE AGENCIES.

SECTION 12: ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

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EFFECTS OF CHEMICAL ON AQUATIC LIFE: 60 ppm*/FISH/LETHAL/FRESH WATER.
(*TIME PERIOD NOT SPECIFIED).

DEGRADATION & PERSISTENCE: NOT AVAILABLE

BIOACCUMULATION POTENTIAL: NOT APPLICABLE.

MOVEMENT IN SOIL: ACCIDENTAL SPILLAGE MAY LEAD TO PENETRATION IN THE SOIL AND GROUNDWATER. HOWEVER THERE IS NO EVIDENCE THAT THIS WOULD CAUSE ADVERSE ECOLOGICAL EFFECTS.

EFFECT OF MATERIAL ON PLANTS OR ANIMALS: NO EVIDENCE IS CURRENTLY AVAILABLE ON THIS PRODUCT'S EFFECTS ON PLANTS OR ANIMALS.

SECTION 13: DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: AS WASTE DISPOSAL METHODS MAY VARY. CONTACT THE SUPPLIER FOR SPECIFIC RECOMMENDATIONS. TREAT SMALL AMOUNTS BY ADDING TO AN EXCESS OF WATER AND NEUTRALIZE WITH A LIME SLURRY, LIMESTONE, SODA ASH OR OTHER ALKALI. ADD WATER AND NEUTRALIZE CAUTIOUSLY AS REACTION IS IMMEDIATE AND CAN BE VIOLENT. CONSIDERABLE AMOUNTS OF HARMFUL VAPORS MAY BE RELEASED. GOOD VENTILATION IS REQUIRED. DISPOSE OF RESIDUE (OR SLURRY) BY REMOVAL TO AN APPROVED CHEMICAL WASTE LANDFILL OR BY AN APPROVED WASTE CONTRACTOR.

WASTE DISPOSAL MUST BE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS, THOSE OF CANADA, AUSTRALIA, EU MEMBER STATES AND JAPAN.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: UN1790

PROPER SHIPPING NAME: HYDROFLUORIC ACID, WITH NOT MORE THAN 60 PERCENT STRENGTH

HAZARD CLASS NUMBER AND DESCRIPTION: 8 (CORROSIVE) 6.1 (POISON)

PACKING GROUP: II

DOT LABELS REQUIRED: CORROSIVE AND POISON

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004)

MARINE POLLUTANT: NOT AVAILABLE

SECTION 15: REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS OF SECTIONS 302, 304 AND 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT, AS FOLLOWS: HYDROFLUORIC ACID AND SULFURIC ACID

TSCA: ALL COMPONENTS IN THIS PRODUCT ARE LISTED ON THE US TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY OF CHEMICALS.

ACUTE HEALTH: YES

CHRONIC HEALTH: NO

FIRE: NO

REACTIVITY: NO

US SARA THRESHOLD PLANNING QUANTITY: THERE ARE NO SPECIFIC THRESHOLD PLANNING QUANTITIES FOR THIS PRODUCT. THE DEFAULT FEDERAL MSDS SUBMISSION AND INVENTORY REQUIREMENT FILING THRESHOLD OF 10,000 LB (4540 kg) MAY APPLY, PER 40 CFR 370.20

US CERCLA REPORTABLE QUANTITY (RQ): NONE

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CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): NONE OF THE INGREDIENTS ARE ON THE CALIFORNIA PROPOSITION 65 LISTS

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: ALL OF COMPONENTS OF THIS PRODUCT ARE ON THE DSL INVENTORY.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: NO COMPONENT OF THIS PRODUCT IS ON THE CEPA FIRST PRIORITIES SUBSTANCES LISTS.

CANADIAN WHMIS CLASSIFICATION AND SYMBOLS: THIS PRODUCT IS CATERGORIZED AS CONTROLLED PRODUCT, HAZARD CLASS E AS PER THE CONTROLLED PRODUCT REGULATIONS.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

CLASSIFICATION OF THE MIXTURE ACCORDING TO REGULATION (EC) NO1272/2008. SEE SECTION 2 FOR DETAILS.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE AICS.

STANDARD FOR THE UNIFORM SCHEDULING OR DRUGS AND POISONS: NOT APPLICABLE

JAPANESE INFORMATION FOR PRODUCT

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: THE COMPONENTS OF THIS PRODUCT ARE NOT LISTED AS CLASS I SPECIFIED CHEMICAL SUBSTANCES, CLASS II SPECIFIED CHEMICAL SUBSTANCES, OR DESIGNATED CHEMICAL SUBSTANCES BY THE JAPANESE MITI.

SECTION 16: OTHER INFORMATION:

HMIS RATING: HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 1

PERSONAL PROTECTION: X

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DATE OF LAST REVISION: OCTOBER 2015

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