



3100 HAMILTON AVENUE
CLEVELAND, OHIO 44114
TELEPHONE: (216) 861-7114

MATERIAL SAFETY DATA SHEET

SECTION I -- IDENTIFICATION

PRODUCT NAME: **Scram**
PRODUCT TYPE: a sulfuric acid drain cleaner
DOT SHIPPING NAME: Compound Cleaning Liquid
DOT HAZARD CLASS: Corrosive Material
DOT ID NO.: NA 1760 DOT LABEL: Corrosive

SECTION II -- HAZARDOUS MATERIALS

<u>MATERIALS</u>	<u>WEIGHT PERCENT</u>	<u>OSHA PEL and TLV(units)</u>
Sulfuric Acid (CAS #7664-93-9)	> 85	1 mg/m ³

SECTION III -- PHYSICAL DATA

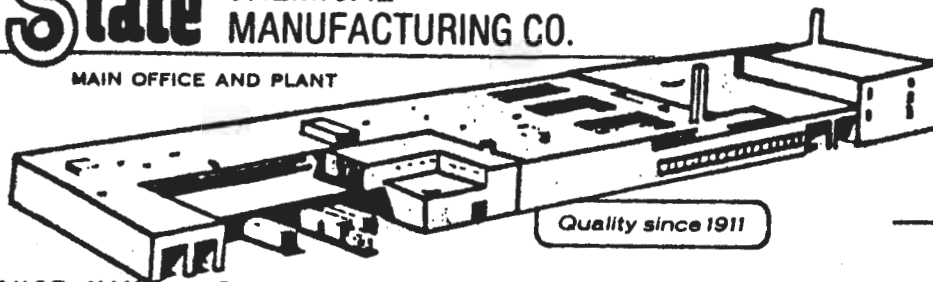
BOILING POINT: 290°F SPECIFIC GRAVITY (WATER =1): 1.836
% VOLATILE BY WT.: Not Applicable WT. PER GALLON: 15.3 pounds
SOLUBILITY IN WATER: Complete pH: < 1
APPEARANCE AND ODOR: a light pink liquid with acidic odor

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD USED): None by T.C.C. and C.O.C.
EXTINGUISHING MEDIA: Not Applicable (N/A)
SPECIAL FIREFIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear acid resistant breathing apparatus when fighting a fire in an area where this product is stored in case acid fumes are released.

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SECTION V -- HEALTH HAZARD DATA

HEALTH AND SAFETY INFORMATION: (216) 861-7114

EFFECTS OF OVEREXPOSURE: This product can cause severe chemical burns on all body tissues. **MAY BE FATAL IF SWALLOWED.**

CHRONIC HEALTH EFFECT: Prolonged exposure to sulfuric acid may result in erosion of teeth.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Anyone with lung or respiratory system disorders.

FIRST AID PROCEDURES

IF SWALLOWED: Prompt treatment is essential in treating sulfuric acid burns. Give person large quantities of water immediately to dilute the sulfuric acid. Do not make the patient vomit. Get medical attention immediately. Never give anything by mouth to an unconscious person.

IF INHALED: Move to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the affected person warm and at rest. Get medical attention immediately.

IF IN EYES: Flush eyes immediately with plenty of cool water for at least 15 minutes. Get medical attention immediately! Contact lenses should not be worn when working with this chemical.

IF ON SKIN: Immediately flush the contaminated skin with water. If the liquid has penetrated clothing, remove the clothing immediately and flush with plenty of water, such as in a shower. Get medical attention immediately.

SECTION VI -- REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: Do not use on aluminum. Sulfuric acid may react violently with caustics. Water applied directly to sulfuric acid causes evolution of heat and splattering.

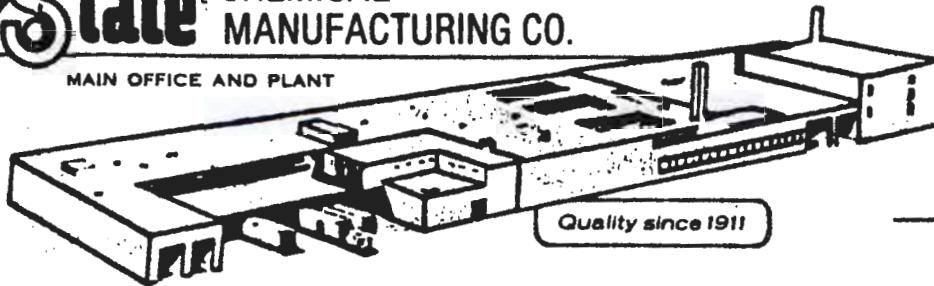
INCOMPATIBILITY (Materials to avoid): Contact with organic materials (such as chlorates, carbides, fulminates and picrates) may cause fire and explosions. Contact with metal may form sulfur dioxide fumes and flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases and vapors (such as sulfuric acid fume, sulfur dioxide and carbon monoxide) may be released when sulfuric acid decomposes.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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SECTION VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate the area. The liquid should be absorbed in the most convenient and safe manner for reclamation or for disposal in a secured landfill. It may also be diluted and neutralized.

WASTE DISPOSAL METHOD: Follow all Federal, State and Local regulations regarding waste disposal. Sulfuric acid may be placed in sealed containers or absorbed in vermiculite, dry sand or similar material and disposed of in a secured landfill. It may also be diluted and neutralized.

SECTION VIII -- SPECIAL PROTECTION INFORMATION

Eye protection and protective gloves are recommended anytime you work with any concentrated industrial strength cleaning products.

RESPIRATORY PROTECTION: Respirator fitted with sulfuric acid cartridges. No special protection under normal use situations.

VENTILATION: Adequate ventilation required.

PROTECTIVE GLOVES: Acid resistant **EYE PROTECTION:** Face shields included with the case of Scram

OTHER PROTECTIVE EQUIPMENT: A clean water source should be available in the immediate work area. Facilities for quick drenching of the body (such as shower) should be available in case of accidental splashing.

SECTION IX -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

HANDLE WITH EXTREME CARE.

Keep all bottles tightly closed when not in use. Tighten caps before removing the bottles from the carton or whenever you are handling this product. Do not store Scram for any reason in a home, individual apartment, house trailer or any domestic place of dwelling. In schools, churches, apartment complexes, etc., be sure Scram is kept in a secure storeroom to prevent any possible access by children or non-qualified personnel.

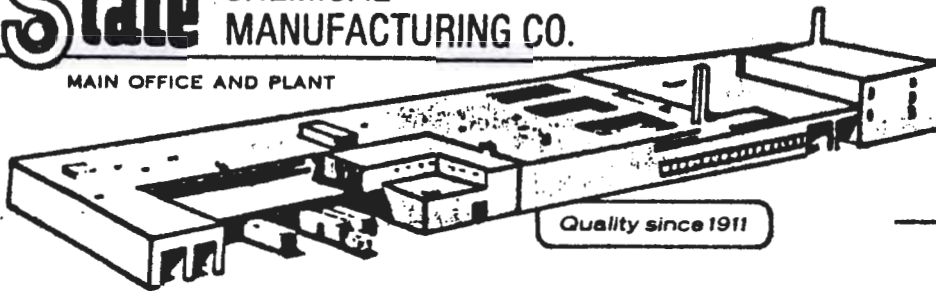
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February, 1986

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OTHER PRECAUTIONS:

DANGER! POISON:

Contains concentrated Sulfuric Acid.
May be fatal if swallowed.
Avoid contact with skin, eyes or clothing.

May cause eruption of acid when poured into drain.
Do not add water or any other chemical to Scram as violent reaction will occur.
Do not use where other drain chemicals, hot water or bleach are present.
Protect face (especially eyes with enclosed face shield) and other parts of the body when using.
Do not stand over drain when pouring Scram and immediately place inverted bucket, dish pan or other deep container over drain to protect against possible blowback of acid.
Use care not to spill Scram on skin or clothing. Wash hands after use.
Never use plunger when Scram is present in drain.

Use with adequate ventilation.
Use from this bottle only and do not transfer to other containers.

NOT FOR RESALE.

When Scram bottle is empty, rinse with cold water to prevent accidental burns.

Read and follow all label directions and precautions before using the product.

FOR INDUSTRIAL USE ONLY.

KEEP OUT OF THE REACH OF CHILDREN.

While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local laws and regulations.

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