

SAFETY DATA SHEET



Madison Chemical Co., Inc.

3141 Clifty Drive • Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

BOIL OUT ARS

TYPE:

Neutral deruster

PRODUCT #

540401

EMERGENCY RESPONSE INFORMATION:

CHEMTREC

800-424-9300

24-Hour Service

Company Offices:

812-273-6000

Weekdays

PREPARED DATE:

05-16-18

PREPARED BY:

Steve Preece

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity-oral

Category 5

H303

Skin Corrosion/Irritation

Category 3

H316

Serious Eye Damage/Eye Irritation

Category 2B

H320

Signal Word

WARNING

Symbol

None

Hazard Statements

H303

May be harmful if swallowed

H316

Causes mild skin irritation.

H320

Causes eye irritation.

Precautionary Statements

P264

Wash hands, forearms, and exposed areas thoroughly after handling.

P270

Do not eat, drink, or smoke when using this product.

P280

Wear eye protection, face protection, protective clothing, protective gloves.

P301 + P330

IF SWALLOWED: rinse mouth.

P302 + P362 + P364

IF ON SKIN: Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338

rinsing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present.

P314

Get medical attention if you feel unwell.

P321

Specific treatment (see Section 4).

P362

Take off contaminated clothing and wash before reuse.

P501

Dispose of contents / container according to local, regional, national and international regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT

Tetrapotassium pyrophosphate

SYNONYM

None

CAS NO.

7320-34-5

% BY WEIGHT

25 - 35

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SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician.

SKIN: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

INGESTION: Do not induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.

INHALATION: Move subject to fresh air and get medical attention.

PRIMARY ROUTE(S) OF ENTRY: Eyes, skin, mucous membranes

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

GENERAL: May cause skin and eye irritation.

EYE CONTACT: Contacted areas may exhibit irritation.

SKIN CONTACT: Contacted areas may exhibit irritation.

INGESTION: May be harmful if swallowed.

INHALATION: No hazard in normal industrial use.

CHRONIC SYMPTOMS: This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire. **Hazardous Combustion Products:** Phosphorous oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Impermeable type gloves. Safety eyewear to protect against unexpected splashes. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Flush remainder to drain with water

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Store away from oxidizers.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL IDENTITY

Tetrapotassium pyrophosphate

CAS NO.

7320-34-5

OSHA PEL

N.E.

ACGIH TLV

N.E.

ENGINEERING CONTROLS:

As necessary to avoid inhalation and contact.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

Not needed for normal use.

SKIN PROTECTION:

Impermeable type gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Safety eyewear to protect against unexpected splashes..

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear off white liquid.
ODOR:	Mild
ODOR THRESHOLD:	Not available.
pH (100%):	7.0 – 8.0
MELTING POINT/FREEZING POINT	Not available.
INITIAL BOILING POINT AND BOILING RANGE	215°F (101°C)
FLASH POINT (METHOD USED)	Not available.
EVAPORATION RATE	1.0 (Water = 1.0).
FLAMMABILITY (SOLID, GAS)	Not available.
UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT	Not available.
VAPOR PRESSURE	Not available.
VAPOR DENSITY	Not available.
SPECIFIC GRAVITY	1.21
SOLUBILITY IN WATER	Complete.
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
VISCOSITY, DYNAMIC	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VISCOSITY	Not available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Hazardous reactions will not occur under normal conditions.
CHEMICAL STABILITY:	Material is stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.
CONDITIONS TO AVOID:	No data found..
INCOMPATIBLE MATERIALS:	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	Phosphorous oxide.

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SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY:	Not classified
LD50 AND LC50 DATA:	Not available.
ROUTES OF EXPOSURE / SYMPTOMS	
EYES:	WARNING! Causes eye irritation
SKIN:	WARNING! Causes mild skin irritation.
INGESTION:	WARNING! May be harmful if swallowed.
INHALATION:	WARNING! May cause nasal and respiratory irritation.
GERM CELL MUTAGENICITY:	Not classified.
TERATOGENICITY:	Not available.
CHRONIC EFFECTS / CARCINOGENICITY:	This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.
SPECIFIC TARGET ORGAN TOXICITY (Repeated exposure):	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
SPECIFIC TARGET ORGAN TOXICITY (Single exposure):	Not classified.
ASPIRATION HAZARD:	Not classified.
COMPONENT INFORMATION: Tetrapotassium pyrophosphate	No data found

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY COMPONENT INFORMATION	LC ₅₀ <i>Ceriodaphnia dubia</i> : 2750 mg/L, 48 hours.
Tetrapotassium pyrophosphate	No data found
PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Bioaccumulation potential is low
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	This material contains no hazardous air pollutants (HAPS). Excess phosphates leaching may enrich waters leading to eutrophication.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Normal for phosphate containing wastes. Dispose in accordance with local, state and federal regulations.
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SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	Compound, Cleaning, NOI, Liquid
HAZARD CLASS:	Not applicable
IDENTIFICATION NUMBER:	Not applicable
PACKING GROUP:	Not applicable
EMERGENCY RESPONSE GUIDE:	Not applicable

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SECTION 15: REGULATORY INFORMATION

VOC: 0 pounds per gallon (0 grams per liter).
TSCA STATUS All ingredients are listed on the TSCA inventory.
CERCLA REPORTABLE QUANTITY None established.

SARA 311 / 312 HAZARD CLASSES

x	ACUTE HEALTH
	FIRE
	SUDDEN RELEASE OF PRESSURE
	CHRONIC HEALTH
	REACTIVE

SARA 312 INFORMATION

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME	CATEGORY CODE	CAS NUMBER	% BY WEIGHT
None			

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

SDS STATUS: Sections 1, 12 and 16 revised on 05-16-18.

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN