



FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL: 1-800-654-6911 (OUTSIDE
USA: 1-423-780-2970)
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®: 1-800-424-9300 (OUTSIDE
USA: 1-703-527-3887)
FOR ALL SDS QUESTIONS & REQUESTS, CALL: 1-800-511-MSDS (OUTSIDE
USA: 1-423-780-2347)

PRODUCT NAME: HTH® Pre-measured water soluble Pods™ pH Down

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Arch Chemicals, Inc. 1200 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States of America (USA)	REVISION DATE:	12/08/2016
	SUPERCEDES:	
	MSDS Number:	000000033563
	SYNONYMS:	
	CHEMICAL FAMILY:	Mixture
DESCRIPTION / USE	Water treatment chemical, pH-regulating agents	
FORMULA:	NaHSO ₄	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Combustible dust :
Skin irritation : Category 2
Serious eye damage : Category 1

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.



Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
Sodium bisulfate	7681-38-1	91 - 95

SECTION 4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.
Skin Contact:	After contact with skin, wash immediately with plenty of soap and water. Consult a physician.
Eye Contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately.
Ingestion:	Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Notes to Physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Product is not known to be flammable, combustible or pyrophoric.

Flammable Properties

Flash Point:	Not applicable
Autoignition Temperature:	Not applicable
Fire / Explosion Hazards:	Heating or fire can release toxic gas.
Extinguishing Media:	Choose extinguishing media suitable for surrounding materials.
Fire Fighting Instructions:	Use water spray to cool unopened containers.



Upper Flammable / Explosive Limit, no data available
% in air:
Lower Flammable / Explosive Limit, no data available
% in air:

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Avoid dust formation. Use personal protective equipment.

Spill Mitigation Procedures

Air Release:

Not applicable

Water Release:

Divert water flow around spill if possible and safe to do so. Notify all downstream users of possible contamination.

Land Release:

Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Do not place spill materials back in their original containers.

Additional Spill Information :

Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

SECTION 7. HANDLING AND STORAGE

Handling:

Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid creating dusts.

Storage:

Store in a cool, dry and well ventilated place. Keep tightly closed. Avoid contact with water, or moist air.

Incompatible Materials for Storage:

Refer to Section 10, "Incompatible Materials."

Empty Container Warning:

Dispose of as unused product.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

Local exhaust ventilation is recommended if significant dusting occurs. Otherwise use general exhaust ventilation.

Protective Equipment for Routine Use of Product

Respiratory Protection :

If dusting occurs, wear a NIOSH approved respirator.

Respirator Type :

Wear a NIOSH approved N95 respirator.

Skin Protection :

Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).



Eye Protection: Use chemical goggles.
Protective Clothing Type: Butyl-rubber, Neoprene

Components with workplace control parameters

no data available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid
Form	granular
Color:	off-white
Odor:	pungent
Molecular Weight:	120 g/mol
pH :	< 1
	() 50 g/l
Boiling Point:	351 °F (177 °C)
Density	no data available
Bulk Density:	() no data available
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Viscosity:	no data available
Solubility in Water:	1,080 g/l 68 °F (20 °C)
Partition coefficient n- octanol/water:	Not applicable
Evaporation Rate:	Not applicable
Oxidizing:	None established
Volatiles, % by vol.:	
VOC Content	This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.
HAP Content	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions., Product will not undergo hazardous polymerization.
Conditions to Avoid:	High temperatures
Chemical Incompatibility:	Strong oxidizing agents, Bases
Hazardous Decomposition Products:	Oxides of sulfur
Decomposition Temperature:	315 °C



SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Oral LD50 value:

Sodium bisulfate LD50 2,490 mg/kg Rat

Component Animal Toxicology

Dermal LD50 value:

Component Animal Toxicology

Inhalation LC50 value:

Product Animal Toxicity

Oral LD50 value: Acute toxicity estimate > 3,000 mg/kg

Dermal LD50 value: Acute toxicity estimate > 2,000 mg/kg

Inhalation LC50 no data available

value:

Skin Sensitization: Not believed to be sensitising to skin.

Subchronic / Chronic
Toxicity:

Reproductive and
Developmental Toxicity:

Mutagenicity:

Carcinogenicity:

SECTION 12. ECOLOGICAL INFORMATION

Overview: Slightly toxic to fish and other aquatic organisms.

Ecological Toxicity Values - Product:

- no data available

Bioaccumulative no data available

potential:

Mobility: no data available

Ecological Toxicity Values for: Sodium bisulfate

Daphnia magna (Water flea) - Immobilization 48 h EC50 190 mg/l

Pseudomonas putida - Growth inhibition 16 h EC10 > 1,000 mg/l



SECTION 13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary :

This material and its container must be disposed of as hazardous waste. The product should not be allowed to enter drains, water courses or the soil. Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG-CODE

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 302



No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Components	CAS-No.
Sodium sulphate	7757-82-6

Pennsylvania Right To Know

Components	CAS-No.
Sodium hydrogensulphate	7681-38-1
Sodium sulphate	7757-82-6

New Jersey Right To Know

Components	CAS-No.
Sodium hydrogensulphate	7681-38-1
Sodium sulphate	7757-82-6



**Arch
Chemicals,
Inc.**

SAFETY DATA SHEET

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .