

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product Name : SaltRx HT™ Crystallization Kit  
Product Number : HR2-136  
Product Type : Liquid  
Product Brand : Hampton Research  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances.

**1.3 Details of the supplier of the Safety Data Sheet**

Company : Hampton Research  
34 Journey  
Aliso Viejo, CA 92656-3317  
United States  
Telephone : 949 425 1321  
Telephone technical support is available 8:00 a.m. to 4:30 p.m. USA Pacific Standard Time.  
Fax : 949 425 1611  
Fax Technical Support is available 24 hours a day.  
e-mail : tech@hrmail.com  
e-mail Technical Support is available 24 hours a day.

**1.4 Emergency telephone number**

Emergency phone : 949 425 1321  
For **CHEMTREC** Assistance : 800 424 9300  
For **CHEMTREC** Assistance : 703 527 3887 (International)

**SECTION 2: Hazards Identification****2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

For the full text of H-Statements: see SECTION 16

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

see SECTION 16

**Additional information:**

For full text of R-phrases: see SECTION 16

## (CONTINUED) - SECTION 2: Hazards Identification

### 2.2 Label elements

Hazard pictogram	: Not applicable
Signal word	: Not applicable
Hazard statement(s)	: Not applicable
Precautionary statement(s)	: Not applicable
Supplemental Hazard Statements	: Not applicable

#### According to European Directive 67/548/EEC as amended.

Hazard symbol(s)	: Not applicable
R-phrase(s)	: Not applicable
S-phrase(s)	: Not applicable

### 2.3 Other hazards : none

## SECTION 3: Composition/information on ingredients

Refer to Section 16

## SECTION 4: First Aid Measures

No data available

## SECTION 5: Fire Fighting Measures

No data available

## SECTION 6: Accidental Release Measures

### 6.1 Personal Precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see SECTION 8 and 13.

## SECTION 7: Handling and Storage

### 7.1 Personal Precautions

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

See SECTION 8 for additional information on hygiene measures. For precautions see SECTION 16.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end uses

No data available

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Components with workplace control parameters

Consult a physician. Show this safety data sheet to the doctor in attendance.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Environmental Exposure Controls

See SECTION 6

## SECTION 9: Physical and Chemical Properties

No data available

## SECTION 10: Stability and Reactivity

Refer to Section 16

## SECTION 11: Toxicological Information

Refer to Section 16

## SECTION 12: Ecological Information

Refer to Section 16

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transportation Information

### 14.1 UN number

ADR/RID: 3316

IMDG: 3316

IATA: 3316

### 14.2 UN proper shipping name

ADR/RID: CHEMICAL KIT

IMDG: Chemical kit

IATA: Chemical kit

### 14.3 Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

### 14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

### 14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: no

IATA: No

### 14.6 Special precautions for user

no data available

## SECTION 15: Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16: Other Information

Kit Components							
Substance Name	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statements	Precautionary Statement	WKG
Ammonium acetate	631-61-8	36/37/38	26		H315-H319-H335	P261-P305 + P351 + P338	1
Ammonium chloride	12125-02-9	22-36	22	GHS07	H302-H319	P305 + P351 + P338	1
Ammonium citrate dibasic	3012-65-5	36/37	26	GHS07	H319-H335	P261-P305 + P351 + P338	3
Ammonium citrate tribasic	3458-72-8	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Ammonium nitrate	6484-52-2	8-36/37/38	17-26-36	GHS03, GHS07	H272-H315-H319-H335	P220-P261-P305 + P351 + P338	1
Ammonium phosphate dibasic	7783-28-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1
Ammonium phosphate monobasic	7722-76-1						1
Ammonium sulfate	7783-20-2				H412		1
Ammonium tartrate dibasic	3164-29-2						3
BIS-TRIS propane	64431-96-5						3
DL-Malic acid	6915-15-7	22-37/38-41	26-36/39	GHS05, GHS07	H302-H315-H318-H335	P261-P280-P305 + P351 + P338	3
Lithium sulfate monohydrate		22			H302		1
Magnesium formate dihydrate	557-39-1						3
Magnesium sulfate hydrate	22189-08-8						1
Potassium phosphate dibasic	7758-11-4						3
Potassium sodium tartrate tetrahydrate	6381-59-5						3
Potassium thiocyanate	333-20-0	20/21/22-32-52/53	13-36/37-46-61	GHS07	H302-H312-H332-H412	P273-P280	1
Sodium acetate trihydrate	6131-90-4						1
Sodium chloride	7647-14-5						1
Sodium citrate tribasic dihydrate	6132-04-3						1
Sodium formate	141-53-7						1
Sodium malonate	141-82-2	22-41	26-36/39		H302-H318	P280-P305 + P351 + P338	1
Sodium nitrate	7631-99-4	8-22-36/37/38	17-26	GHS03, GHS07	H272-H302-H315-H319-H335	P220-P261-P305 + P351 + P338	3

**(CONTINUED) - SECTION 16: Other Information**

Kit Components							
Substance Name	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
Sodium phosphate monobasic monohydrate	10049-21-5						1
Succinic acid	110-15-6	37/38-41	26-36/37/39	GHS05	H315-H318-H335	P261-P280-P305 + P351 + P338	1
Tacsimate							
Tris	77-86-1	36/37/38	26-36		H315-H319-H335	P261-P305 + P351 + P338	2




**Relevant R-phrase(s), S-phrase(s), Hazard code(s), Hazard statement(s), and Precautionary statement(s)****Risk Phrase(s)**

- R 8 : Contact with combustible material may cause fire  
R 20/21/22 : Harmful by inhalation, in contact with skin and if swallowed  
R 22 : Harmful if swallowed  
R 32 : Contact with acids liberates very toxic gas  
R 36 : Irritating to the eyes  
R 36/37 : Irritating to eyes and respiratory system  
R 37/38 : Irritating to respiratory system and skin  
R 36/37/38 : Irritating to eyes, respiratory system and skin  
R 41 : Risk of serious damage to eyes  
R 52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Safety Phrase(s)**

- S 13 : Keep away from food, drink and animal feeding stuffs  
S 17 : Keep away from combustible material  
S 22 : Do not breathe dust  
S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S 36 : Wear suitable protective clothing and seek medical advice  
S 36/37 : Wear suitable protective clothing and gloves  
S 36/39 : Wear suitable protective clothing and eye/face protection  
S 36/37/39 : Wear suitable protective clothing, gloves and eye/face protection  
S 46 : If swallowed, seek medical advice immediately and show this container or label  
S 61 : Avoid release to the environment. Refer to special instructions safety data sheet

**GHS Pictogram(s)**

- GHS03 :   
GHS05 :   
GHS07 : 

**Relevant R-phrase(s), S-phrase(s), Hazard code(s), Hazard statement(s), and Precautionary statement(s)****Hazard statement(s)**

- H272 : May intensify fire; oxidizer  
H302 : Harmful if swallowed

## (CONTINUED) - SECTION 16: Other Information

### Relevant R-phras(e)s, S-phras(e)s, Hazard code(s), Hazard statement(s), and Precautionary statement(s)

#### Hazard statement(s)

- H312 : Harmful in contact with skin
- H315 : Causes skin irritation
- H318 : Causes serious eye damage
- H319 : Causes serious eye irritation
- H332 : Harmful if inhaled
- H335 : May cause respiratory irritation
- H412 : Harmful to aquatic life with long lasting effects

#### Precautionary statement(s)

- P220 : Keep/Store away from clothing/combustible materials.
- P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 : Avoid release to the environment.
- P280 : Wear protective gloves/protective clothing/eye protection/face protection.
- P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### DISCLAIMER

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### WARRANTY

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