

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** NEX-XOS Flameless Ration Heater (FRH)

**Synonyms:** NX HEATER 40gr- NEX-XOS FRH - NXH FRH - NXH Meal Heater - NXH Flameless Ration Heater - NXH Heating Pad - OMEALS Heating Pad - OMEALS FRH 40GR - OMEALS Heating Element - OMEALS Flameless Ration Heater - XMRE Heater- XMRE FRH - XMRE Blueline Heater - XMRE 1300XT Heater.

#### 1.2. Intended Use of the Product

**Use of the Substance/Mixture:** To be used only to heat an MRE

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Company

NEX-XOS Worldwide, LLC  
3922 Pembroke Road  
Pembroke Park, Florida  
United States  
305-433-8376  
[NEX-XOS.com](http://NEX-XOS.com)  
[contact@nex-xos.com](mailto:contact@nex-xos.com)

#### 1.4. Emergency Telephone Number

**Emergency Number** : ChemTel LLC  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-US Classification

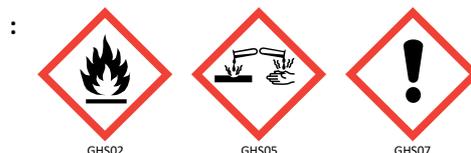
Flam. Sol. 1	H228
Water-react. 2	H261
Skin Irrit. 2	H315
Eye Dam. 1	H318
STOT SE 3	H335
Aquatic Acute 3	H402
Aquatic Chronic 3	H412

Full text of hazard classes and H-statements : see section 16

#### 2.2. Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Danger

##### Hazard Statements (GHS-US)

: H228 - Flammable solid.  
H261 - In contact with water releases flammable gas.  
H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H335 - May cause respiratory irritation.  
H402 - Harmful to aquatic life.  
H412 - Harmful to aquatic life with long lasting effects.

##### Precautionary Statements (GHS-US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P223 - Do not allow contact with water.  
P231+P232 - Handle under inert gas. Protect from moisture.  
P261 - Avoid breathing vapors, mist, or spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.

# NEX-XOS Flameless Ration Heater (FRH)

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P321 - Specific treatment (see section 4 on this SDS).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P335+P334 - Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.  
P402+P404 - Store in a dry place. Store in a closed container.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Aluminum	Aluminium / Aluminium metal / Aluminium, metal / Aluminum metal / Aluminum, elemental / Aluminum, metal / C.I. 77000 / CI 77000 / Aluminium powder (stabilised) / Aluminium powder (stabilized) / Aluminium powder / Pigment Metal 1 / Aluminum powder / Aluminium metal, powder / Aluminium powder (pyrophoric) / aluminum	(CAS-No.) 7429-90-5	25 – 40	Flam. Sol. 1, H228 Water-react. 2, H261 Comb. Dust
Calcium oxide	Lime / Quicklime / CALCIUM OXIDE / Quicklime (CaO) / Calcium oxide (CaO) / Lime (calcium oxide)	(CAS-No.) 1305-78-8	20 – 40	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Accelerant or Potentiator/Aid	Trade secret	(CAS-No.) Trade secret	Trade secret	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Carbonic acid, calcium salt (1:1)	C.I. Pigment White 18 / Calcium carbonate / Pigment White 18 / C.I. 77220 / Carbonic acid, calcium salt / CALCIUM CARBONATE / CI 77220 / calcium carbonate	(CAS-No.) 471-34-1	5 – 7	Not classified
Wetting Agent	Trade secret	(CAS-No.) Trade secret	Trade secret	Eye Irrit. 2A, H319

Full text of H-phrases: see section 16

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**First-aid Measures General:** DO NOT OPEN AND/OR INGEST PAD CONTENTS. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Obtain medical attention for thermal burns.

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

# NEX-XOS Flameless Ration Heater (FRH)

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**First-aid Measures After Skin Contact:** Immediately remove contaminated clothing. Brush off loose particles from skin. Immediately drench affected area with water for at least 15 minutes. Seek medical attention for thermal burns.

**First-aid Measures After Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** May cause respiratory irritation. Causes skin irritation. Causes serious eye damage.

**Symptoms/Injuries After Inhalation:** Irritation of the respiratory tract and the other mucous membranes.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. Calcium oxide can cause skin corrosion upon contact with water.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use extinguishing media containing water.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Reacts readily with water to produce flammable gases which may ignite and cause a fire. Flammable solid.

**Explosion Hazard:** Reacts readily with water to emit flammable gases which could ignite and possibly cause an explosion.

**Reactivity:** Reacts readily with water liberating highly flammable gases. Reacts violently with strong oxidizers. Increased risk of fire or explosion.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** None expected under normal conditions of use.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Use only non-sparking tools.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Eliminate ignition sources. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Use only non-sparking tools. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Use only non-sparking tools.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** For exposure to heater contents: Do not allow contact with water. Avoid dust production.

# NEX-XOS Flameless Ration Heater (FRH)

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Precautions for Safe Handling:** Product packed as per 49 CFR § 173.4a should be adequate for safe shipping and typical storage warehouse conditions, as long as the integrity of the packaging inside and out barriers and casing stay intact. No additional precautions are required for storage of Ready to eat Meal kits or MRE's containing a FRH. For exposure to heater contents: Protect from moisture. Handle under inert gas. Avoid breathing dust. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

**Storage Conditions:** For exposure to heater contents: Store locked up/in a secure area. Store in a cool, dry place. Keep away from moisture, extremely high or low temperatures, ignition sources, and incompatible materials. Keep container tightly closed. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

**Incompatible Materials:** For exposure to heater contents: Strong acids, strong bases, strong oxidizers. Water, humidity.

### 7.3. Specific End Use(s)

To be used only to heat an MRE

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Aluminum (7429-90-5)		
USA ACGIH	ACGIH OEL TWA	1 mg/m <sup>3</sup> (respirable particulate matter)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA NIOSH	NIOSH REL (TWA)	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Calcium oxide (1305-78-8)		
USA ACGIH	ACGIH OEL TWA	2 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA)	2 mg/m <sup>3</sup>
USA IDLH	IDLH	25 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [1]	5 mg/m <sup>3</sup>
Accelerant or Potentiator/Aid (Trade Secret)		
USA ACGIH	ACGIH OEL TWA	5 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA)	5 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Carbonic acid, calcium salt (1:1) (471-34-1)		
USA NIOSH	NIOSH REL (TWA)	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing.

#### Hand Protection

: Wear protective gloves.

# NEX-XOS Flameless Ration Heater (FRH)

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>Eye and Face Protection</b>	: Chemical safety goggles.
<b>Skin and Body Protection</b>	: Wear suitable protective clothing.
<b>Respiratory Protection</b>	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
<b>Other Information</b>	: Product packed as part of Ready -to-Eat Meal kits (OMEALS) should be adequate for safe standard shipping and typical warehouse storage conditions.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State</b>	: Solid
<b>Appearance</b>	: Gray powder
<b>Odor</b>	: None
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Evaporation Rate</b>	: No data available
<b>Melting Point</b>	: No data available
<b>Freezing Point</b>	: No data available
<b>Boiling Point</b>	: No data available
<b>Flash Point</b>	: No data available
<b>Auto-ignition Temperature</b>	: No data available
<b>Decomposition Temperature</b>	: No data available
<b>Flammability (solid, gas)</b>	: Flammable solid
<b>Vapor Pressure</b>	: No data available
<b>Relative Vapor Density at 20°C</b>	: No data available
<b>Relative Density</b>	: No data available
<b>Density</b>	: 0.909 g/cm <sup>3</sup>
<b>Solubility</b>	: Water: Partial
<b>Partition Coefficient: N-Octanol/Water</b>	: No data available
<b>Viscosity</b>	: No data available

### 9.2. Other Information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts readily with water liberating highly flammable gases. Reacts violently with strong oxidizers. Increased risk of fire or explosion.

### 10.2. Chemical Stability

Flammable solid. Water reactive.

### 10.3. Possibility of Hazardous Reactions

In contact with water releases flammable gas. Reacts with water, generates heat.

### 10.4. Conditions to Avoid

Keep away from moisture, water, ignition sources, direct sunlight, extremely high or low temperatures, incompatible materials.

### 10.5. Incompatible Materials

For exposure to heater contents: Strong acids, strong bases, strong oxidizers. Water, humidity.

### 10.6. Hazardous Decomposition Products

Contact with water generates: Hydrogen. Heat.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

Calcium oxide (1305-78-8)	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2500 mg/kg
LC50 Inhalation Rat	> 6.04 mg/l/4h

# NEX-XOS Flameless Ration Heater (FRH)

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Accelerant or Potentiator/Aid (Trade Secret)	
LD50 Oral Rat	7340 mg/kg
LD50 Dermal Rat	> 2500 mg/kg
LC50 Inhalation Rat	> 6.04 mg/l/4h
Carbonic acid, calcium salt (1:1) (471-34-1)	
LD50 Oral Rat	6450 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
Wetting Agent (Trade Secret)	
LD50 Oral Rat	2800 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg (No deaths)
LC50 Inhalation Rat	2300 mg/m <sup>3</sup> (Exposure time: 2 h)
ATE (Vapors)	2.30 mg/l/4h
ATE (Dust/Mist)	2.30 mg/l/4h

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Irritation of the respiratory tract and the other mucous membranes.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. Calcium oxide can cause skin corrosion upon contact with water.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Harmful to aquatic life with long lasting effects.

Calcium oxide (1305-78-8)	
LC50 Fish 1	50.6 mg/l
Wetting Agent (Trade Secret)	
LC50 Fish 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	310 – 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

### 12.2. Persistence and Degradability

NEX-XOS Flameless Ration Heater (FRH)	
Persistence and Degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative Potential

NEX-XOS Flameless Ration Heater (FRH)	
Bioaccumulative Potential	Not established.
Calcium oxide (1305-78-8)	
BCF Fish 1	(no bioaccumulation)
Accelerant or Potentiator/Aid (Trade Secret)	
BCF Fish 1	(no bioaccumulation)
Carbonic acid, calcium salt (1:1) (471-34-1)	
BCF Fish 1	(no bioaccumulation)
Wetting Agent (Trade Secret)	
BCF Fish 1	(no bioaccumulation)

### 12.4. Mobility in Soil

No additional information available

# NEX-XOS Flameless Ration Heater (FRH)

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## 12.5. Other Adverse Effects

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Handle empty containers with care because residual product is flammable.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### 14.1. In Accordance with DOT

DOT has determined that a single FRH device, containing less than 14 grams of un-coated aluminum packed in a hermetically sealed bags and placed into another bag within an individual Ready to Eat Meal kit does not pose a hazard in transportation and Storage and is not subject to the Hazardous Materials Regulation (HMR), regardless of the number of Ready to Eat Meal kits or MRES in a case. This determination does not apply to FRH devices shipped separately from Ready to Eat Meal kits or MRES, or to FRH devices containing more than 14 grams of un-coated aluminum, which must be shipped in conformance to the applicable requirements of the HMR.

DOT Competent Authority Approval (CAA): 2021060511

**Proper Shipping Name** : DANGEROUS GOODS IN APPARATUS

**Identification Number** : UN3363

**ERG Number** : 171

### 14.2. In Accordance with IMDG

**Proper Shipping Name** : DANGEROUS GOODS IN APPARATUS

**Hazard Class** : 9

**Identification Number** : UN3363

**Label Codes** : 9

**EmS-No. (Fire)** : F-A

**EmS-No. (Spillage)** : S-P



### 14.3. In Accordance with IATA

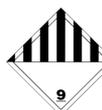
**Proper Shipping Name** : DANGEROUS GOODS IN APPARATUS

**Identification Number** : UN3363

**Hazard Class** : 9

**Label Codes** : 9

**ERG Code (IATA)** : 9L



## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

<b>NEX-XOS Flameless Ration Heater (FRH)</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Skin corrosion or Irritation Physical hazard - In contact with water emits flammable gas Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation
<b>Aluminum (7429-90-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
<b>SARA Section 313 - Emission Reporting</b>	1 % (dust or fume only)
<b>Calcium oxide (1305-78-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Accelerant or Potentiator/Aid (Trade Secret)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Carbonic acid, calcium salt (1:1) (471-34-1)</b>	

# NEX-XOS Flameless Ration Heater (FRH)

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

## Wetting Agent (Trade Secret)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

## 15.2. US State Regulations

### Aluminum (7429-90-5)

U.S. - New Jersey - Right to Know Hazardous Substance List  
 U.S. - Pennsylvania - RTK (Right to Know) List  
 U.S. - Massachusetts - Right To Know List  
 U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### Calcium oxide (1305-78-8)

U.S. - New Jersey - Right to Know Hazardous Substance List  
 U.S. - Pennsylvania - RTK (Right to Know) List  
 U.S. - Massachusetts - Right To Know List

### Accelerant or Potentiator/Aid (Trade Secret)

U.S. - New Jersey - Right to Know Hazardous Substance List  
 U.S. - Pennsylvania - RTK (Right to Know) List  
 U.S. - Massachusetts - Right To Know List

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 11/30/2021  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

### GHS Full Text Phrases:

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Sol. 1	Flammable solids Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Water-react. 2	Substances and mixtures which in contact with water emit flammable gases Category 2
H228	Flammable solid
H261	In contact with water releases flammable gas
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)