



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2411	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	DRAIN EZE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Enzyme Drain Treatment	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
Skin Irritation - Category 2
Eye Irritation - Category 2A
Specific Target Organ Toxicity (single exposure)
(Respiratory tract irritation) - Category 3

SIGNAL WORD:
WARNING

SYMBOL:



This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

HAZARD STATEMENTS:

Causes serious eye irritation.
Causes skin irritation.
May cause respiratory irritation

PRECAUTIONARY STATEMENTS:

General: Keep out of reach of children.

Prevention: Wear protective gloves/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Wash hands thoroughly after handling. Avoid contact with skin and clothing. Wash thoroughly after handling.

Response: IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with all local regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

SUPPLEMENTAL LABEL ELEMENTS:

Avoid contact with skin and clothing. Wash thoroughly after handling.

3. Composition / Information on Ingredients

OTHER MEANS OF IDENTIFICATION: ST-731

CAS NUMBER/OTHER IDENTIFIERS

CAS number: Not applicable.

Product code: Not available.

Ingredient name	Other names	%	CAS number
Lipase Enzyme Mixture	Lipase Enzyme Mixture	<20	N/A
Sodium chloride	Salt	<40	7647-14-5
Sodium sulfate	Sodium sulfate	<60	7757-82-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

SKIN: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

INGESTION:

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:**POTENTIAL ACUTE HEALTH EFFECTS:****EYE CONTACT:** Causes serious eye irritation.**INHALATION:** May cause respiratory irritation.**SKIN CONTACT:** Causes skin irritation.**INGESTION:** Irritating to mouth, throat and stomach.**OVER-EXPOSURE SIGNS/SYMPTOMS:****EYE CONTACT:** Adverse symptoms may include the following:

Pain or irritation

Watering

Redness

INHALATION: Adverse symptoms may include the following:

Respiratory tract irritation

Coughing

SKIN CONTACT: Adverse symptoms may include the following:

Irritation

Redness

INGESTION: No specific data.**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:****NOTES TO PHYSICIAN:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.**SPECIFIC TREATMENTS:** No specific treatment.**PROTECTION OF FIRST-AIDERS:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.**See toxicological information (Section 11)****5. Fire Fighting Measures****SUITABLE FIRE EXTINGUISHING MEDIA:**

Use an extinguishing agent suitable for the surrounding fire.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use water jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No specific fire or explosion hazard.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides.

SPECIFIC FIRE-FIGHTING METHODS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

REMARK: Dust explosion class St1.**6. Accidental Release Measures****PERSONAL PRECAUTIONS:****FOR NON-EMERGENCY PERSONNEL:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.**FOR EMERGENCY RESPONDERS:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."**ENVIRONMENTAL PRECAUTIONS:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:****SMALL SPILL:** Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.**LARGE SPILL:** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.**7. Handling and Storage****PROTECTIVE MEASURES:**

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep from freezing.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS: None.

APPROPRIATE ENGINEERING CONTROLS:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

ENVIRONMENTAL EXPOSURE CONTROLS:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

INDIVIDUAL PROTECTION MEASURES



HYGIENE MEASURES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EYE/FACE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

SKIN PROTECTION: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Neoprene gloves. Rubber gloves. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. Physical & Chemical Properties

APPEARANCE:		FLAMMABILITY(solid/gas):	Not available.
Physical State:	Solid.	Flammability Limit-lower (%):	Not available.
Form:	Granular solid/Crystals	Flammability Limit-upper (%):	Not available.
Color:	White.	FLASH POINT:	>93.333°C (>200°F)
ODOR:	Odorless.	VAPOR PRESSURE:	Not available.
ODOR THRESHOLD:	Not available.	VAPOR DENSITY:	Not available.
pH:	7-9, 1% solution	RELATIVE DENSITY:	Not available.
MELTING POINT:	153°C (307.4°F)	SOLUBILITY (water):	Not available.
BOILING POINT:	Not available.	AUTO-IGNITION TEMP:	Not available.
PARTITION COEFFICIENT (n-octanol/water):	Not available.	DECOMPOSITION TEMP:	Not available.
VISCOSITY:	Not available.	SOLUBILITY:	Easily soluble in the following materials: cold water and hot water.
SADT:	Not available.	EVAPORATION RATE:	Not available.

10. Stability & Reactivity Information

REACTIVITY:

No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY:

The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS:

Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.

CONDITIONS TO AVOID:

Keep from freezing. Keep away from extreme heat.

DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

ACUTE TOXICITY

CHEMICAL NAME	RESULT	SPECIES	DOSE	EXPOSURE
Sodium chloride	LD50 Oral	Rat	3,550 mg/kg	-
Sodium sulfate	LD50 Oral	Mouse	5,989 mg/kg	-

IRRITATION/CORROSION:

Not applicable.

SENSITIZATION:

Not available.

MUTAGENICITY:

Not available.

CARCINOGENICITY:

Not available.

REPRODUCTIVE TOXICITY:

Not available.

TERATOGENICITY:

Not available.

SPECIFIC TARGET ORGAN TOXICITY (single exposure)

Not available.

SPECIFIC TARGET ORGAN TOXICITY (repeated exposure)

Not available.

ASPIRATION HAZARD:

Not available.

PRIMARY ROUTE OF ENTRY: Not available.**ACUTE/POTENTIAL HEALTH EFFECTS:****EYES:** Causes serious eye irritation.**SKIN:** Causes skin irritation.**INHALATION:** May cause respiratory irritation.**INGESTION:** Irritating to mouth, throat and stomach.**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS:****EYE CONTACT:** Adverse symptoms may include the following: pain or irritation, watering, redness.**INHALATION:** Adverse symptoms may include the following: respiratory tract irritation, coughing**SKIN CONTACT:** Adverse symptoms may include the following: irritation, redness.**INGESTION:** No specific data.**DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE:****SHORT TERM EXPOSURE****POTENTIAL IMMEDIATE EFFECTS:** Not available.**POTENTIAL DELAYED EFFECTS:** Not available.**LONG-TERM EXPOSURE:****POTENTIAL IMMEDIATE EFFECTS:** Not available.**POTENTIAL DELAYED EFFECTS:** Not available.**POTENTIAL CHRONIC HEALTH EFFECTS:**

Not available.

GENERAL:

No known significant effects or critical hazards.

CARCINOGENICITY:

No known significant effects or critical hazards.

MUTAGENICITY:

No known significant effects or critical hazards.

TERATOGENICITY:

No known significant effects or critical hazards.

DEVELOPMENTAL EFFECTS:

No known significant effects or critical hazards.

FERTILITY EFFECTS:

No known significant effects or critical hazards.

ACUTE TOXICITY ESTIMATES:

<u>ROUTE</u>	<u>ATE VALUE</u>
Oral	3124.9 mg/kg

12. Ecological Information**TOXICITY:**

Not available.

PERSISTENCE AND DEGRADABILITY:

Not available.

BIOACCUMULATIVE POTENTIAL:

Not available.

MOBILITY IN SOIL:**SOIL/WATER PARTITION COEFFICIENT (K_{oc}):** Not available.**OTHER ADVERSE EFFECTS:**

No known significant effects or critical hazards.

13. Disposal Consideration

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transportation Information

	DOT CLASSIFICATION	IMDG	IATA
UN NUMBER	Not regulated.	Not regulated.	Not regulated.
UN PROPER SHIPPING NAME	Cleaning compounds, NOI powder	-	-
TRANSPORT HAZARD CLASS	-	-	-
PACKING GROUP	-	-	-
ENVIRONMENTAL HAZARDS	No.	No.	No.
ADDITIONAL INFORMATION	-	-	-

SPECIAL PRECAUTIONS FOR USER: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: Not available.

15. Regulatory Information

US FEDERAL REGULATIONS: United States inventory (TSCA 8b): All components are listed or exempted.

CLEAN AIR ACT SECTION 112 (b) HAZARDOUS AIR POLLUTANTS (HAPs): Not listed.

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES: Not listed.

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES: Not listed.

DEA LIST I CHEMICALS (Precursor Chemicals): Not listed.

DEA LIST II CHEMICALS (Essential Chemicals): Not listed.

SARA 302/304

COMPOSITION/INFORMATION ON INGREDIENTS: No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

CLASSIFICATION: Immediate (acute) health hazard.

COMPOSITION/INFORMATION ON INGREDIENTS: Not applicable.

SARA 313:

Not applicable.

STATE REGULATIONS:

Massachusetts: None of the components are listed.

New York: None of the components are listed.

New Jersey: None of the components are listed.

Pennsylvania: None of the components are listed.

California Prop. 65: None of the components are listed.

16. Other Information

N/A = Not Applicable; N/D = Not Determined

NFPA	Health Hazards: 1	Flammability: 0	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 1	Flammability: 0	Physical hazards: 0	Personal protection:

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The customer is responsible for determining the PPE code for this material.

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.