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# SAFETY DATA SHEET

**VICTORY FIRE & GAS INC**

1713 Lewis Street, Bay City, MI 48706

Phone: +1 989.322.0856 Email: [info@victoryfiregas.com](mailto:info@victoryfiregas.com)

## SECTION 1 : IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**PRODUCT IDENTIFIER:**

# ZXUL90 ABC DRY CHEMICAL POWDER EXTINGUISHANT

**OTHER MEANS OF IDENTIFICATION:**

MODEL NO. ZXUL90

**RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:**

Use Of Substance / Mixture: Fire Extinguishing Agent

**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:**

Supplier:	VICTORY FIRE & GAS INC
Street:	1713 Lewis Street, Bay City, MI 48706
Postal Code/City:	Bay City, MI 48706
Country:	U.S.A
Telephone:	+1 989.322.0856 - 9am-5pm Aet Mon-Fri
E-Mail: Website:	<a href="http://www.victoryfiregas.com">Http://www.victoryfiregas.com</a>
Dept. Responsible For Information:	Compliance

**Emergency Contact Number: +1 989.322.0856**


## SECTION 2 : HAZARD(S) IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to the the globally harmonized System of Classification and Labeling of Chemicals (GHS) including Work, Health and Safety Regulations

Classified as dangerous - Acute toxicity - oral - category 4  
 Serious eye damage / irritation - category 2a  
 Skin irritation - category 2  
 Specific target organ toxicity (single exposure) - category 3

### LABEL ELEMENTS:

Hazard Pictograms	
Pictogram Code	GHS07 Exclamation Mark
Signal word	WARNING
<b>Hazard Statements</b>	
Physical Hazards	
Health Hazards	H302 harmful if swallowed. H319 causes serious eye irritation. H335 may cause respiratory irritation.
Environmental Hazards	
Combinations	
<b>Precautionary Statements</b>	
General	
Prevention	<b>P264</b> Wash hands thoroughly after handling. <b>P280</b> Wear protective gloves/protective clothing/eye protection/face protection <b>P261</b> Avoid breathing dust/fume/gas/mist/vapours/spray <b>P271</b> Use only out doors or in a well-ventilated area
Response	<b>P305+P351+P338</b> IF IN EYES: rinse cautiously with water for several minutes. remove contact lenses, if present and easy to do. continue rinsing. <b>P337+P313</b> IF EYE IRRITATION PERSISTS: get medical advice/attention. P304 + P340 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. <b>P312</b> call a Poison center or doctor/physician if you feel unwell.
Storage	<b>P403 + P233</b> Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Disposal	<b>P501</b> dispose of contents/container in accordance with local/regional/national/international regulations

### OTHER HAZARDS:

N/A

## SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture.

### MIXTURE INGREDIENTS

Ingredient (Designation)	CAS No.	Concentration
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<b>Mono Ammonium Phosphate</b>	7722-76-1	>90%
<b>Mica</b>	12001-26-2	<5.0%
<b>Silica White</b>	7631-86-9	<3.0%
<b>Methyl H Polysiloxane</b>	63148-57-2	<1.0%

## SECTION 4: FIRST AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES:

#### After inhalation

Move away from radius of action. Consult a doctor immediately or seek medical attention.

#### After skin contact

Wash affected area with soap and water. If irritation persists, seek medical attention.

#### After eye contact

Wash with water for a minimum of 15 minutes. Seek medical advice if symptoms persist.

#### After Ingestion

Give plenty of water to drink. Seek medical advice if necessary.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE, DELAYED AND AGGREGATED

None

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None

## SECTION 5 : FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Product is an extinguishing media. Use appropriate fire extinguisher for surrounding environment.

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Ammonia and/or phosphorous oxides can be evolved at very high temperatures. Exposure to fire may cause containers to rupture/explode.

### ADVICE FOR FIRE FIGHTERS

#### Appropriate personal protective equipment for fire fighters:

Fire fighters should wear Self-contained Breathing apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion.

#### Hazchem code:

No Hazchem Code issued to these articles. No HIN issued under RID and ADR.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid eye and skin contact. Wear appropriate personal protective equipment and clothing to minimize exposure. Increase ventilation.

## ENVIRONMENTAL PRECAUTIONS

If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to the applicable local and national regulations.

## METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

If possible contain the spill. Sweep or vacuum up contents and place in sealed labelled container for disposal.

Section

## SECTION 7 - HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

#### Advice on Safe Use of Product:

Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

#### Advice on Safe Handling:

Avoid inhalation of dust and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

#### Environmental Precautions:

Prevent the build up of dusts in the work atmosphere. Ensure that storage conditions comply with applicable local and national regulations.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

#### Technical measures and storage conditions:

Always store in dry, cool area out of direct sunlight in original container with lid tightly closed.

#### Requirements For Storage Rooms And Containers:

Store in suitable, labeled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations. Do not allow any part of a cylinder to be exposed above 60C. Storage areas should be keep dry & clean and free from flammable materials. Ensure that containers are properly vented to prevent build up pressure.

#### Suitable Container/Equipment Material:

No information available.

#### Unsuitable Container/Equipment Material:

No information available.

#### Information on combines storage:

No information available.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### CONTROL PARAMETERS / OCCUPATIONAL EXPOSURE LIMIT VALUES

No exposure standards have been established for this mixture or its ingredients. however, the available exposure limits for ingredients are listed below:

#### Safe Work Exposure Standards:

Substance	Cas no.	TWA*	STEL**
Silica gel	112926-00-8	Ppm - 10 mg/m <sup>3</sup>	No value assigned (for inspirable dust containing no asbestos and less than 1%

\*TWA (time weighted average): the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

\*\*STEL (Short term exposure limit): the average airborne concentration over a minute period which should not be exceeded at any time during a normal eight-hour workday.

## EXPOSURE CONTROLS

### Appropriate Engineering Controls:

use with good general ventilation. if solids/dusts are produced, local exhaust ventilation should be used. Systems under pressure should be regularly checked for leakages.

### Individual Protective Measures, E.G. Personal Protective Equipment:

The following recommendations should be considered: wear chemical goggles, chemical resistant gloves and dust mask.

### Environmental Exposure Controls

N/A .

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Physical State:	Solid
Colour:	Yellow, Blue, White
Odour:	No Odour warning properties
Ph:	N/A
Melting Point (°C):	>100°C
Density (at 20°C) : g/cm <sup>3</sup>	0.80-0.90
Water Solubility (g/l)	>90% after several hours
Flammability Range (Vol% In Air):	Non Flammable.

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Other Information:	Stability in Temperature: -60°C ~+60°C
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## SECTION 10 - STABILITY AND REACTIVITY

### CHEMICAL STABILITY

No special measures are necessary. Stable under normal ambient storage and handling conditions.

### REACTIVITY

Reacts with incompatible materials.

### CONDITIONS TO AVOID

Extremes of temperature over 60 °C

## INCOMPATIBLE MATERIALS

Strong alkalis, magnesium, swimming pool sanitizers (inorganic perchlorates, sodium dichloroisocyanurate dehydrate, trichloroisocyanuric acid, calcium hypochlorite, and other strong oxidizers).

## HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia and/or phosphorous oxides can be evolved at very high temperatures.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### INFORMATION ON POSSIBLE ROUTES OF EXPOSURE

This chemical formulation has not been tested for health effects.

TOXICITY DATA: The following data is available for components of this product greater than 1% by weight in concentration.

MONOAMMONIUM PHOSPHATE

TDLo (oral, man) = 150 mg/kg

LD50 (oral, rat) = 3000 mg / kg

LD50 (interperitoneal, rat) = 610 mg/kg

SUSPECTED CANCER AGENT: This product's ingredients are not found on the following lists: FEDERAL, OSHA Z LIST, NTP, CAL/OSHA. A variety of silica forms (i.e. Crystalline, fumed) are reported in IARC as a Group 3 Compound (Human Inadequate Evidence: Animal Inadequate Evidence).

Eye Contact:	Minor irritant, Possibility of transient irritation.
Skin Contact:	May be mildly irritating.
Inhalation:	Treat as a mineral dust. Irritant to the respiratory tract. Transient cough and shortness of breath may occur.
Ingestion:	Although not an expected route of entry, if ingested, may cause discomfort.
Chronic Overexposure	Chronic fibrosis of the lung, pneumoconiosis.

## SECTION 12 - ECOLOGICAL INFORMATION

### INFORMATION ON ELIMINATION:

The product is bio-degradable. ABC dry chemical powder contains mono-ammonium phosphate which is a soil fertilizer

### ENVIRONMENTAL PROTECTION

Contains no heavy metal salts. Residue from fires extinguished with this material may be hazardous.

## SECTION 13 – DISPOSABLE CONSIDERATIONS

### DISPOSABLE METHODS

No harm to the environment is expected from this preparation. Dispose of waste according to applicable local and national regulations.

Normally as fertilizer through an approved specialized company according to local and current authority regulations. European disposal No.160 502. Residue from fires extinguished with this material may be hazardous.

### UNCLEANED PACKAGING

Disposal according to official regulations.

## SECTION 14 - TRANSPORT INFORMATION

This product is not defined as a hazardous material under U.S. Department of Transportation 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

Please Note: Although this material is not considered hazardous, when contained in a stored pressure fire extinguisher pressurized with a nonflammable gas, the extinguisher itself is considered a hazardous material by the U.S. Department of Transportation (USDOT) and Transport Canada (TC). The proper shipping name shall be Fire Extinguisher and the UN Identification Number is UN 1044. The USDOT hazard class is Limited Quantity when pressurized to less than 241 psig and when shipped via highway or rail. Use Class 2.2, Non- Flammable Gas, when shipping via air.

Labeling Adg, lmo/lmdg, lcao/lata	NOT Hazardous
<b>Road And Rail Transport (Adg Code)</b>	
Classification:	Not classified as dangerous Goods by the criteria of the international maritime dangerous Goods code (IMDG code) for transport by sea.
Un number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class/division:	Not applicable
Packing group:	Not applicable
Hazchem - emergency action code	No hazchem code issued to these articles.
Special provisions:	Not applicable
Limited quantities:	Not applicable
<b>Marine Transport (lmo/lmdg)</b>	
Classification:	Not classified as dangerous Goods by the criteria of the international air transport association (IATA) dangerous Goods regulations for transport by air.
Un number:	Not applicable
Proper shipping name:	Not applicable
Division:	Not applicable
Environmental hazards for transport Purposes:	Not applicable
Emergency Schedule (ems) - fire:	Not applicable
Emergency Schedule (ems) - Spillage:	Not applicable
Special provisions:	Not applicable

## SECTION 15 - REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE

NOT Classified as hazardous according to the Globally Harmonized System of classification and labeling of chemicals (GHS) including Work, health and Safety regulations. Not classified as a Scheduled Poison according to the Standard for the uniform Scheduling of medicines and Poisons (SUSMP).

International Inventory Status: All ingredients are on the following inventories

Country	Agency
U.S.A.	TSCA
Canada	DSL
Europe	EINECS/ELINCS

Australia AICS  
Japan MITI  
South Korea KECL

U.S. Federal Regulatory Information: None of the chemicals in this product are under SARA reporting requirements or have SARA Threshold Planning Quantities or CERCLA Reportable Quantities, or are regulated under TSCA 8(d).

State Regulatory Information: Chemicals in this product are covered under the specific State regulations noted:

Alaska Designated Toxic and Hazardous Substances- None

California Permissible Exposure Limits for Chemical Contaminants- None

Florida Substance list- Mica dust

Illinois Toxic Substance List- None

Kansas Section 302/303 List- None

Massachusetts Substance list- Mica dust Minnesota List of Hazardous Substances- None

Missouri Employer Information/Toxic Substance List- None

New Jersey Right to Know Hazardous Substance List- None

North Dakota List of Hazardous Chemicals, Reportable Quantities- None

Pennsylvania Hazardous Substance List- None

Rhode Island Hazardous Substance List- Mica dust

Texas Hazardous Substance List- No

West Virginia Hazardous Substance List- None

Wisconsin Toxic and Hazardous Substances- None

California Proposition 65- No component is listed on the California Proposition 65 List

## **CHEMICAL SAFETY ASSESSMENT:**

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16 - OTHER INFORMATION**

### **KEY LITERATURE REFERENCES AND SOURCES**

Classification in accordance with the Globally Harmonized System of classification and labeling of chemicals (GHS) including Work, health and Safety regulations

National code of Practice for the Preparation of material Safety data Sheets 2nd edition [nohsc:2011(2003)].

This Safety data Sheet where necessary has been established in accordance with the applicable European union legislation Standard for the uniform Scheduling of medicines and Poisons.

Model Work health and Safety regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. International air transport association (IATA) dangerous Goods regulations for transport by air.

Workplace exposure standards for airborne contaminants, International maritime dangerous Goods code (IMDG code) for transport by sea.

### **DISCLAIMER**

This document Prepared to US OSHA, CMA, ANSI and Canadian WHMIS Standards

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Please refer to our internet website for more information: [www.zxfire.net](http://www.zxfire.net), For contact information please go to page 1 of this SDS.

**END OF SDS.**