



SAFETY DATA SHEET

Victory Fire & Gas Inc.

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SECTION 1 : IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL

PRODUCT NAME

VICTORY WATER / WATER MIST EXTINGUISHANT

(Victory Water / Water Mist Agent, Pressurized and Non-pressurized)

OTHER MEANS OF IDENTIFICATION:

Water Jet, Water Spray, Pressurized Water Extinguisher, Pressurized Water Mist Extinguisher

MODEL CODE OF EXTINGUISHER TYPES:

WM6L,WM2.5GAL & WT2.5GAL and / other Water FIRE EXTINGUISHERS

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES AS ADVISED AGAINST

Firefighting agent, not for human or animal ingestion or drug use

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Supplier	VICTORY FIRE & GAS INC
Street	1713 Lewis Street
Postal City/Postal Code/Country	Bay City, MI 48706, USA
Company telephone	+1 (989) 322 0856 – 9am- 5pm AET Mon- Friday
Website / Email	http://www.victoryfiregas.com info@victoryfiregas.com
Dept Responsible for information	Compliance
Emergency telephone number	CHEMTREC No.(800) 424 9300 /+1(703) 527 3887 (International)

Note: Safety data sheet in accordance with OSHA Hazard Communication Standards (19 CFR 1910.,1200, the Canadian Hazardous Products Regulations (HPR) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

SECTION 2 : HAZARDS IDENTIFICATION:

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

This SDS covers the product listed as above sold in pressurized and non-pressurized containers. GHS classifications for both forms are listed. Classification according to the global harmonized system of classification and labelling of chemicals (GHS) including work, health, and safety regulations.

Health	Environmental	Physical
Acute Toxicity : None	None	None
Skin Corrosion / Irritation : None	None	None
Skin Sensitization : None	None	None
Eye Category : None	None	None
Carcinogen : Category none	None	None

LABEL ELEMENTS - Non-pressurized / Pressurized (*)

Hazard Pictograms	
Pictogram Code	GHS04 Gases Under Pressure (*)
Signal Word	WARNING (*)
Hazard Statements	
Physical Hazards	H229 Contents under pressure, may explode if heated (*)
Health Hazards	None
Environmental Hazards	None
Combinations	None
Precautionary Statements	
General	
Prevention	
Response	.
Storage	P410 + P403 Protect from sunlight. Store in well ventilated place (*)
Disposal	

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS:

MIXTURE INGREDIENTS

Ingredients (Designation)	CAS No.	Concentration (Weight %)
Deionized Water	7732-18-5	100%
Nitrogen (Expellant only when extinguisher is supplied pressurized)	7727-37-9	-

SECTION 4 : FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

Inhalation

May cause coughing, If respiratory irritation, breathing difficulty or distress occurs remove victim to fresh air and if symptoms persist obtain medical attention.

Skin Exposure

None.

Eye Exposure

None.

Ingestion

None under normal conditions.

Medical Conditions possible aggravated by exposure

None.



SECTION 5 : FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Product is an extinguishing media and therefore non-flammable / non-combustible. Use extinguishing media appropriate for the materials involved. Keep pressurized containers and surroundings cool with water spray as they may rupture or burst when exposed to heat of a fire. The extinguishing agent is not sensitive to static discharge or mechanical impact.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

None.

ADVICE FOR FIRE FIGHTERS

Appropriate personal protective equipment for fire fighters: Fire fighters should wear protective clothing as appropriate for specific fire conditions.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

None in normal quantities.

ENVIRONMENTAL PRECAUTIONS

None.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Clean up using absorbent materials. If product is contaminated, use PPE and containment appropriate to nature of the most toxic chemical / ingredient within the mixture .

SECTION 7 : HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on Safe Use of Product:

None.

Advice on Safe Handling:

Keep extinguishing agent in original container or fire extinguisher. Keep containers sealed when not in use. Maintain extinguisher in accordance with local / national codes.

Environmental Precautions:

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 or within extinguisher.

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. Storage areas should be keep dry & clean and free from flammable materials.

Ensure that containers are properly vented to prevent build up pressure.

Storage area should be: - cool - dry - well ventilated - under cover - out of direct sunlight.

Do not mix with other extinguishing agents.



Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over. Do not drag, slide or pressurized containers. Do not drop pressurized containers or permit them to strike against each other. Inspect extinguishers frequently in accordance with local / national regulations.

Never apply flame or localized heat directly to any part of the pressurized container.

Store pressurized containers away from high heat sources. Do not allow any part of a cylinder to be exposed above +60°C (+140°F).

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 EXPOSURE GUIDELINES

Available exposure limits for ingredients are listed below where available: See Notes (*)

Substance	OSHA PEL	ACGIH TLV
Deionized water	Not regulated	Not regulated
Nitrogen (Expellant only when extinguisher is pressurized)	Not regulated	Not regulated

()(PNOC) – Particulates not otherwise classified (ACGIH) or Particulates not otherwise regulated (OSHA). (PEL) - Permissible exposure limit. The permissible exposure limit (PEL or OSHA PEL) is a legal limit in the United States for exposure of an employee to a chemical substance. (TLV) - Within the context of workplace safety, represents the maximum airborne concentration of a chemical substance to which an adult can be exposed to in the workplace over the course of his or her lifetime without suffering significant harm.*

EXPOSURE CONTROLS

Appropriate Engineering Controls:

None

Individual Protective Measures, e.g., Personal Protective Equipment:

The following recommendations should be considered:

Eye Protection : Safety goggles.
Skin Protection : None.
Respiratory Protection : None.

Environmental Exposure Controls

N/A



SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES – EXTINGUISHING AGENT

Appearance /Physical State:/ color:	Colorless Liquid
Molecular weight	18.02g/mol
Odor:	None
pH	7.00
Freezing Point (°C/°F)	0 / 32
Boiling Point (°C/ °F)	100 / 212
Density (at 20°C) : g/cm ³	1
Vapor density	0.62 (Air = 1)
Flash Point (°C)	Non-flammable
Explosive of Oxidizing Properties	None
Water Solubility (g/l)	100%
Flammability Range (Vol% In Air):	Non Flammable.

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES – PROPELLANT (*)

Appearance	Colorless
Odor:	Odorless
pH	N/A
Melting Point	N/A
Density (at 20°C)	0.0725lb/ft ³ as a vapor (0.00116 g/cm ³)
Flash Point (°C)	Non-flammable
Explosive of Oxidizing Properties	None
Water Solubility (g/l)	N/A
Flammability Range (Vol% In Air):	Non-flammable
Other Information:	N/A

(*) Only when extinguisher is pressurized with Nitrogen

SECTION 10 : STABILITY AND REACTIVITY

CHEMICAL STABILITY

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

REACTIVITY

Pressurized containers may rupture or explode when exposed to heat of a fire.

CONDITIONS TO AVOID

Extremes of temperature over +60°C (+140°F)

INCOMPATIBLE MATERIALS

Strong acids or bases. Do not mix with other extinguishing agents unless stated on extinguisher .

HAZARDOUS DECOMPOSITION PRODUCTS

Not applicable.



HAZARDOUS POLYMERIZATION

Does not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

INFORMATION ON POSSIBLE ROUTES OF EXPOSURE

Likely routes of exposure – inhalation, skin, and eye contact.

Acute Toxicity	Nontoxic
Chronic toxicity	None known
Eye Contact:	None
Skin Contact:	None
Inhalation:	Coughing.
Ingestion:	None
Reproductive toxicity	This product is not known to have any reproductive effects
Nitrogen (*) Pressurizing gas	Simple asphyxiant. Exposure at high concentrations can cause suffocation by reducing the available oxygen

ACUTE TOXICITY DATA:

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

Substance	LD50 Oral	LD50 Dermal	LC50 (inhalation)
Deionized Water	90ml/kg (Rat)	Not available	Not available

SECTION 12 : ECOLOGICAL INFORMATION

INFORMATION ON ELIMINATION:

Not applicable.

DEGRADABILITY:

Hazardous degradation products not expected.

BIOACCUMULATION POTENTIAL

Not applicable

MOBILITY IN SOIL

Mobile

ENVIRONMENTAL PROTECTION

Residue from fires extinguished with this material may be hazardous.

SECTION 13 : DISPOSABLE INFORMATION

DISPOSABLE METHODS



This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal regulations. Be aware that product used on a fire may be altered or contaminated and thereby require different disposal considerations. No harm to the environment expected from this preparation. Dispose of waste according to applicable local and national regulations.

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 non-flammable 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 and consult latest IATA and IMDG Regulations prior to shipping by air or water. See table below.

This section is believed to be accurate at time of creation. It is not intended to be a complete statement or summary of all applicable laws, rules, or hazardous material regulations in place at time of shipping.

Fire Extinguishers	
DOT CFR 172.101 Data	Fire Extinguishers, 2.2, UN1044
UN Proper Shipping name	Fire Extinguishers
UN Class	(2.2)
UN Number	UN1044
UN Packaging group	Not applicable
Classification for Air / Transportation (IATA)	Consult current IATA Regulations prior to shipping by air
Classification for Water / Transport IMDG	Consult current IATA Regulations prior to shipping by water

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	Status
USA	TSCA	Yes
Canada	DSL	Not controlled



U.S. Federal Regulatory Information:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

None pressurized: None of the chemicals in this product are under SARA reporting requirements or have SARA Threshold Planning Quantities or CERCLA Reportable Quantities or regulated under TSCA 8(d).

Pressurized: SARA Title III Section 311/312 Categorization is Pressure Hazard.

SARA 311-312 Hazard Categories

Acute Health Hazard	No
Chronic health hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	Yes (Only if material is pressurized extinguisher)
Reactive Hazard	No

Clean Water/Clean Air Acts

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) or Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61) and Section 112 of the Clean Air Act Amendments of 1990

State Regulatory Information:

Chemicals in this product 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	None
Illinois Toxic Substance List - None	None
Kansas Section 302/303 List - None	None
Massachusetts Substance list- Mica dust Minnesota List of Hazardous Substances	None
Missouri Employer Information/Toxic Substance List	None
Minnesota List of Hazardous Substances	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	None
Texas Hazardous Substance List	None
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	



SECTION 16 : OTHER INFORMATION

KEY LITERATURE REFERENCES AND SOURCES

NFPA RATINGS

US Nation Fire Protection Agency (NFPA) hazard ratings: (Scale of 0 to 4, with 0 = lowest increasing to 4 = highest hazard, refer to NFPA for details related to the relative rating for each category)

Health - 0

Flammability – 0

Reactivity – 0

Special Hazards - None

LEGEND

ACGIH	American Conference of Governmental Industrial Hygienists
CAS#	Chemical Act Service Number
EC50	Effect Concentration 50%
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
N/A	Denotes no applicable information found or available
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act

INFORMATION AND REFERENCES

The information provided is given in good faith. The information and recommendations in this SDS are based on sources believed to be accurate. Victory Fire and Gas assumes no responsibility for accuracy or completeness of information provided. It is the user's responsibility to determine suitability or completeness of information.

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END OF SDS.