SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name:	JAVEL - CHLORE 12%
Chemical Name:	SODIUM HYPOCHLORITE
Chemical Family:	CHLORIDE
Code(s) :	JAV12-20
Product Use/Description:	Water purifier, bleaching agent, and disinfectant in containers of ...
Supplier Identification:	PRODUITS GILCO INC. 4001 Industriel Boulevard, Laval, Québec, H7L 4S3, Canada Telephone: 514-858-7777 Fax: 514-858-5666 www.groupegilco.com
Manufacturer Identification:	Same as supplier
Emergency Telephone:	Canada: (613) 996-6666 24 hours (CANUTEC), *666 on cell phones

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE CHEMICAL PRODUCT ACCORDING TO WHMIS 2022

Physical Hazards:	Corrosive to metals (Category 1)
Health Hazards:	Acute toxicity – Oral (Category 4) Skin irritation/corrosion – Skin corrosion (Category 1B) Severe eye damage/eye irritation – Eye damage (Category 1) Specific target organ toxicity – Single exposure (Category 3, respiratory irritation)
Environmental Hazards:	N.D.

LABEL ELEMENTS

Pictogram(s):

Signal Word:	DANGER
Hazard Statement:	Harmful if swallowed. Causes severe skin burns and serious eye damage. May cause respiratory irritation. Reacts with acids to release toxic chlorine gas.

Precautionary Statement:	Do not breathe mists or vapours. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye/face protection. Do not mix with acids or ammonia. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do—continue rinsing. Store locked up and keep out of reach of children.
Other hazards which do not result in classification:	Chlorine bleach may discolor or damage fabrics and some surfaces. Mixing with acidic products releases toxic chlorine gas. Product may cause irritation to sensitive respiratory systems even at low vapour concentrations. Spilled product may create a slip hazard. Not expected to pose significant environmental hazards when used as directed.

SECTION 3 – COMPOSITION / INFORMATION SUR LES INGRÉDIENTS

INGREDIENT	CAS Nº	% (WEIGHT)	LD_{50} (species, route)	LC_{50} (species)
Sodium hypochlorite	7681-52-9	12 - 14	5800 mg/kg (rat, oral)	N.D.

The concentration percentages for the chemicals listed above may vary from batch to batch.
The concentrations indicated represent the actual concentration range for each chemical.

SECTION 4 – FIRST-AID MEASURES

Inhalation:	Remove sources of contamination or move the victim to fresh air. If the victim is not breathing, administer artificial respiration. Seek medical attention immediately.
Skin Contact:	Gently rinse the affected area with running water for at least 20 minutes while removing contaminated clothing. Seek medical attention. Wash contaminated clothing before reuse.
Eye Contact:	Immediately rinse affected eyes gently with water for at least 20 minutes. Seek medical attention.
Ingestion:	NEVER give anything by mouth if the victim is rapidly losing consciousness, unconscious, or convulsing. Rinse the mouth thoroughly with water. DO NOT INDUCE VOMITING. Ask the victim to swallow two glasses of water. If vomiting occurs naturally, lean the victim forward to reduce the risk of aspiration. Continue to give water to drink. Seek medical attention immediately.
Most important symptoms and effects (acute or delayed):	See Section 11 “Toxicological Information” for more details.
For the Doctor:	N.D.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Carbon dioxide, powdered chemical agent, and adequate foam.
Unsuitable Extinguishing Media:	N.D.
Specific hazards arising from the hazardous product:	Carbon oxides and other irritating gases and fumes. Does not ignite under normal conditions of use.
Special protective equipment and precautions for fire-fighters:	Smoke or toxic/irritating fumes may be produced during a fire. Do not enter the fire area without adequate protection. Firefighters battling a fire should wear self-contained breathing apparatus with a full face mask to protect themselves from toxic products released during combustion. Protect personnel from containers that may burst, explode, or leak their contents. Move containers away from the fire if there is no danger. Water may be useful to cool containers exposed to heat and flames.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Restrict access until cleanup is complete. Ensure that cleanup is performed by qualified personnel. Remove all sources of ignition. Remove or isolate combustible and flammable materials. All persons involved in cleanup must wear appropriate protective equipment (see Section 8).
Methods and materials for containment and cleaning up:	Ventilate the spill area. Remove all sources of ignition. Stop the flow if it can be done safely. Contain and absorb with an inert absorbent material. Then place the absorbent material in a container for later disposal (see Section 13). Contaminated absorbent material may present the same hazards as the spilled product. Notify the appropriate authorities if necessary.
Environmental Precautions:	Avoid infiltration into sewers, waterways, or confined spaces. Dispose of in accordance with local, state, and national regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:	Before handling this product, it is very important to ensure that engineering controls are properly maintained and that personal protection and hygiene requirements are met. Workers using this chemical must be trained in the risks associated with its use. Do not use this product near welding areas, flames, or hot surfaces. Handling equipment must be properly grounded. Inspect containers for leaks before handling. Label containers properly. Ensure that the area is well ventilated. Avoid breathing vapors or mists. Avoid contact with eyes, skin, and clothing. Keep away from heat, sparks, and flames. Avoid producing high concentrations of vapors or mists. Keep away from incompatible materials such as strong oxidizing materials. Keep containers tightly closed when not in use. Empty containers are still dangerous. Assume that empty containers may contain dangerous residues.

Conditions for safe storage, including any incompatibilities:	Store in a cool, well-ventilated area, away from heat and sources of ignition. Store away from incompatible materials. Inspect all containers upon receipt to ensure they are properly labeled and undamaged. The storage area must be clearly identified, free of obstacles, and accessible only to qualified personnel. Periodically inspect for leaks.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	**ACGIH TLV**		**OSHA PEL**	
CHEMICAL NAME	**TWA**	**STEL**	**TWA**	**STEL**
Sodium hypochlorite	N.D.	N.D.	N.D.	N.D.
Tetrasodium salt of ethylenediaminetetraacetic acid	N.D.	N.D.	N.D.	N.D.

Appropriate Engineering Controls:	Use the product in a well-ventilated area. Local exhaust ventilation is recommended to keep contaminant concentrations well below exposure limits.

INDIVIDUAL PROTECTION MEASURES

Skin Contact:	Wear chemical-resistant gloves (impermeable) or other protective clothing to prevent repeated or prolonged contact with the skin during all handling operations.
Eye Contact:	Wear splash-proof goggles to prevent mist from coming into contact with the eyes. Ensure that eye wash stations, safety showers, and cleaning areas are located near the workstation.
Respiratory Protection:	Respiratory protection required if concentrations exceed exposure limits. Use NIOSH-approved respiratory protection if exposure limits are unknown.
Hygiene Measures:	Avoid producing high concentrations of mists or vapors. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Never eat, drink, or smoke near workstations. Good hygiene is recommended after using this product. Clean clothing before reuse.
Other Protective Equipment:	N.D.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Yellow

Odour:	Chlorine
Melting Point / Freezing Point (°C):	N.D.
Boiling Point (°C):	N.D.
Flammability:	N/A
Lower flammability or explosion limit (% per volume):	N/A
Upper flammability or explosion limit (% per volume):	N/A
Flash Point (°C):	N/A
Auto-ignition Temperature (°C):	N.D.
Decomposition Temperature:	N.D.
pH:	~ 11.5 – 13.0
Kinematic Viscosity:	N.D.
Solubility:	Instant
Partition Coefficient (n-octanol/water):	N.D.
Vapour Pressure:	N.D.
Relative Vapour Density (Water = 1):	1.175
Vapour Density (Air = 1):	N.D.
Particle Characteristics:	N.D.

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability and Reactivity:	Stable under recommended and prescribed handling and storage conditions.
Possibility of Hazardous Reactions:	No hazardous polymerization will occur.
Conditions to Avoid:	Avoid heat, sparks, open flames, or other sources of ignition.
Incompatible Materials:	STRONG OXIDIZING AGENTS (chlorides, peroxides), strong acids (nitric acid), certain metals.
Hazardous Decomposition Products:	None known. See “Hazardous Combustion Products” in Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Skin contact, absorption through the skin, eye contact, ingestion, and inhalation.

SHORT-TERM EFFECTS OF EXPOSURE AND SYMPTOMS

Inhalation:	May cause irritation to the nose, throat, and respiratory tract and depression of the central nervous system. Symptoms: headache, nausea, vomiting, loss of coordination, and other effects on the central nervous system.
Skin Contact:	Direct contact with skin may cause moderate to severe skin irritation or burns. Harmful. The product may be absorbed through the skin.
Eye Contact:	Direct contact with the eyes may cause irritation or moderate burning. Symptoms: redness, burning sensation, tearing, and pain.
Ingestion:	Ingestion may cause irritation or burning in the mouth, throat, and stomach. Symptoms include dizziness, drowsiness, nausea, headaches, and other effects on the central nervous system.

LONG-TERM EFFECTS OF EXPOSURE

Repeated or prolonged contact may cause dryness, cracking, and skin stripping (dermatitis).

DELAYED AND IMMEDIATE EFFECTS

Skin Corrosion / Irritation:	N.D.
Serious Eye Damage / Eye Irritation:	N.D.
Respiratory Sensitization:	N.D.
Skin Sensitization:	N.D.
Germ Cell Mutagenicity:	N.D.
Carcinogenicity:	No ingredients are listed by IARC, ACGIH, NTP, or OSHA as carcinogenic.
Reproductive Toxicity:	N.D.
Specific Target Organ Toxicity – Single Exposure:	None known.
Specific Target Organ Toxicity – Repeated Exposure:	N.D.
Aspiration Hazard:	N.D.

NUMERICAL TOXICITY VALUES

Acute oral toxicity:	N.D.
Acute dermal toxicity:	N.D.
Acute inhalation toxicity:	N.D.

SECTION 12 – ECOLOGICAL INFORMATION

There is no data available on the product itself. Prevent the product from entering drains or waterways or from being deposited in areas where it could affect groundwater or surface water.

Ecotoxicity:	N.D.
Persistence and Degradability:	N.D.
Bioaccumulation Potential:	N.D.
Mobility in Soil:	N.D.
Other Adverse Effects:	N.D.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Methods:	Store materials for disposal as indicated in the Handling and Storage section (section 7). Do not puncture or incinerate empty containers. Review federal, provincial, and local requirements prior to disposal.
Hazardous Waste Code:	N.D.
Contaminated Packaging:	N.D.

SECTION 14 – TRANSPORT INFORMATION

Shipping Description:	Ce produit est réglementé selon le TMD.
UN Number:	UN1791
UN Proper Shipping Name:	CORROSIVE, BASIC, N.O.S. INORGANIC LIQUID (Sodium hypochlorite)
Transport Hazard Class(es):	8
Packing Group:	II
Environmental hazards:	N.D.

Special Precautions:	Product may also be shipped as a LIMITED QUANTITY/CONSUMER GOOD as stipulated in section 1.17 of the TDG.

SECTION 15 – REGULATORY INFORMATION

The product is regulated under the Controlled Products Regulations (CPR) in Canada. Refer to Section 2 for WHMIS classification.
This product has been classified according to the hazard criteria listed in the Controlled Products Regulations (CPR) and this material safety data sheet contains all the information required by the CPR.

Canadian Environmental Protection Act. (CEPA) Information:	The ingredients are listed on the DSL.
U.S. OSHA Information:	This product is regulated under OSHA. This sheet contains all information required by OSHA.
U.S. TSCA Information:	The ingredients are listed on the TSCA.
California Proposition 65 (USA):	No ingredients listed. This product may contain traces of chemicals that are recognized by California as causing cancer and/or adverse reproductive effects.
New Jersey Right To Know (USA):	The ingredients are listed below.

HAZARDOUS INGREDIENTS	CAS Nº	% (WEIGHT)
Sodium hypochlorite	7681-52-9	12 - 14

This product may contain traces of other chemicals.

National Fire Protection Association (NFPA):	Health: 3 Flammability: 0	Instability: 0 Other hazards: Alkaline
Risk Indicators:	0 = Minimal 1 = Slight	2 = Moderate 3 = Serious 4 = Severe

SECTION 16 – OTHER INFORMATION

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ABREVIATIONS	
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
CPR	Controlled Products Regulations
DSL	Domestic Substances List
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
N/A	Not Applicable. The information does not apply to this product.
N.D.	Non available / Not determined. The information is not found, measured, or known.
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transportation of Dangerous Goods (Canada)
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
WEEL	Workplace Environmental Exposure Level
WHMIS	Workplace Hazardous Materials Information System