

SAFETY DATA SHEET

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

1.	Identification	
I	Product identifier	Endimal™ C
	Other means of identification	Material Number: 57951310
l	Recommended use	Odor control, oxidizing solution
	Recommended restrictions	None known
l	Manufacturer/Importer/Supplier/	Distributor information
l	Manufacturer	
	Company name	International Dioxcide, Inc.
	Address	40 Whitecap Drive
		North Kingstown, RI 02852
		United States of America
	Telephone	Information #: (800) 477-6071
	Website	https://idiclo2.com
	E-mail	idiclo2@ercoworldwide.com
	Emergency phone number	Canada & U.S.A.: (800) 424 9300 (CHEMTREC)
		International: (703) 527 3887
:	Supplier	Refer to Manufacturer

2. Hazard(s) Identification

Physical hazards	None	
Health hazards	Acute toxicity, oral Skin irritation Eye irritation Specific target organ toxicity, repeated exposure (blood, kidneys, liver, spleen)	Category 4 Category 2 Category 2B Category 2
Environmental hazards	Not currently regulated by OSHA, refer to Section 12 for additional information.	
OSHA defined hazards	This material is considered hazardous by th Standard (29 CFR 1910.1200).	ne OSHA Hazard Communication
Label elements		
Signal word	Warning	



Hazard statement	Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure (blood, kidneys, liver, spleen).
Precautionary statement	t
Prevention	Wear protective gloves and eye/face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Response	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
	IF ON SKIN: Wash with plenty of soap and 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.
	IF exposed or concerned: Call a POISON CENTER or doctor.
Storage	Not applicable.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazard(s) not otherwise classified (HNOC)	If Sodium Chlorite dries on some types of fire-retardant clothing it is known to cause an exothermic reaction. The reaction has been known to cause burns to skin. Nomex appears to be the only material not to experience this reaction.
Supplemental information	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

3. Composition/Information on Ingredients

Chemical name	Common name and synonyms	CAS number	Conc. % By Weight
Sodium chlorite	None	7758-19-2	≤10 w/w%

Chemical name of impurities, stabilizing solvents and/or additives: None.

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

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention following exposure or if feeling unwell. 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. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration, or oxygen by a trained professional, using a pocket type respirator.

- Skin Contact Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. In case of contact, flush skin with plenty of water for at least 20 minutes.
- Eye ContactCheck for and remove any contact lenses. Get medical attention. In case of contact,
flush eyes with plenty of water for at least 20 minutes. Use fingers to ensure that
eyelids are separated and that the eye is being irrigated.
- Ingestion Wash out mouth with water. 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. 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. 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 acute and delayed common symptoms acute and symptoms and swelling. Harmful if swallowed. Irritating to mouth, throat and stomach. Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea. May cause damage to organs through prolonged or repeated exposure.

Indication of Not available. immediate medical attention and special treatment needed

GeneralTreat symptomatically. No specific treatment.information

5. Fire-Fighting Measures

Suitable extinguishingUse an extinguishing agent suitable for the surrounding fire. In case of fire,mediause water spray (fog), foam or dry chemical.

Unsuitable extinguishing None known. media



Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.
Special protective equipment and precautions for firefighters	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. If Sodium Chlorite dries on some types of fire-retardant clothing it is known to cause an exothermic reaction. The reaction has been known to cause burns to skin. Nomex appears to be the only material not to experience this reaction.
Firefighting equipment /instructions	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.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	May intensify fire; oxidizer when dry.
Hazardous combustion products	Decomposition products may include the following materials: halogenated compounds, metal oxide/oxides.

6. Accidental Release Measures

Personal precautions,	No action shall be taken involving any personal risk or without suitable	
protective equipment	training. Evacuate surrounding areas. Keep unnecessary and unprotected	
and emergency	personnel from entering. Do not touch or walk through spilled material.	
procedures	Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	

Methods and materials
for containment and
cleaning upStop leak if without risk. Move containers from spill area. Approach release
from upwind. Wash spillages into an effluent treatment plant or proceed as
follows. Contain and collect spillage with non-combustible, absorbent
material e.g. sand, earth, vermiculite or diatomaceous earth and place in
container for disposal according to local regulations (see Section 13).
Dispose of via a licensed waste disposal contractor.
Contaminated absorbent material may pose the same hazard as the spilled

Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas.

EnvironmentalAvoid 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).



7. Handling and Storage

Precautions for safe	Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin	
handling	and clothing. Use only with adequate ventilation. 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.	

Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

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. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits	No exposure limits noted for ingredient(s).
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- **Biological limit values** No biological exposure limits noted for the ingredient(s).
- Appropriate engineering
controlsIf 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.

Individual protection measures, such as personal protective equipment

Eye/face protection C	Chemical splash goggles.
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Skin protection
Hand protectionPermeation resistant gloves.OtherPermeation resistant clothing and foot protection.
If Sodium Chlorite dries on some types of fire-retardant clothing it is
known to cause an exothermic reaction. The reaction has been known
to cause burns to skin. Nomex appears to be the only material not to
experience this reaction.Respiratory protectionRespirator selection must be based on known or anticipated exposure

spiratory protection 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. A NIOSH approved air purifying respirator with



organic vapor cartridges and particulate prefilter can be used to minimize exposure.

- Thermal HazardsIf Sodium Chlorite dries on some types of fire-retardant clothing it is
known to cause an exothermic reaction. The reaction has been known
to cause burns to skin. Nomex appears to be the only material not to
experience this reaction.
- General hygiene
considerationsWash 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.

9. Physical and Chemical Properties

Physical stateLiquidFormLiquidColorLight yellowOdorChlorine [Slight]Odor thresholdNot availableMolecular formulaNot availableMolecular weightNot availableMolecular weightNot availableJH9 to 9.2Melting point/Freezing PointNot availableInitial boiling point and boiling range105 °C (1013 hPa)Flash pointClosed cup: >100°C (>212°F)Evaporation rateNot availableFlammability (solid, gas)Not availableUpper/lower flammability or explosive limitsFlammability limit – lower (%)Not availableFlammability limit – upper (%)Not availableExplosive limit – upper (%)Not availableVapor pressure19.87 hPa (20°C)Vapor densityNot availableRelative densityNot availableSolubility (water)Easily soluble in the following materials: cold waterPartition coefficient (n-octanol/water)Not availablePurposition temperatureNot availableViscosityOynamic: 3.26 mPa·sOther informationUpnamic: 3.26 mPa·sPensityI.065 to 1.095 g/cm³FlammabilityNot available	Appearance	
ColorLight yellowOdorChlorine [Slight]Odor thresholdNot availableMolecular formulaNot availableMolecular weightNot availablepH9 to 9.2Melting point/Freezing PointNot availableInitial boiling point and boiling range105 °C (1013 hPa)Flash pointClosed cup: >100°C (>212°F)Evaporation rateNot availableIpper/lower flammability or explosive limitsFlammability (solid, gas)Flammability limit – lower (%)Not availableFlammability limit – lower (%)Not availableExplosive limit – lower (%)Not availableEvapor densityNot availableVapor pressure19.87 hPa (20°C)Vapor densityNot availableSolubility (water)Easily soluble in the following materials: cold waterPartition coefficient (n-octanol/water)Not availablePartition coefficient (n-octanol/water)Not availableViscosityDynamic: 3.26 mPa·sOther informationLio65 to 1.095 g/cm³	Physical state	Liquid
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Density 1.065 to 1.095 g/cm ³	•	Dynamic: 3.26 mPa·s
Flammability Not available	•	
	Flammability	Not available



Specific	gravity	
Surface	tension	

Not available Not available

10.Stability and Reactivity

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 Conditions to Avoid	Under normal conditions of storage and use, hazardous reactions will not occur. No specific data.
Incompatible materials	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11.Toxicological Information

Information on likely routes of exposure

Inhalation No known significant effects or critical hazards.

- **Skin contact** Causes skin irritation.
- **Eye contact** Causes serious eye irritation.
- **Ingestion** Harmful if swallowed. Irritating to mouth, throat and stomach.

Delayed and immediate effects and chronic effects from short-term and long-term exposure

Effects of short-term (acute) exposure (acute) exposure Causes serious eye irritation. Adverse symptoms may include watering, redness, reddening, tearing, stinging, and swelling. Causes skin irritation with symptoms of reddening, itching, and swelling. Harmful if swallowed. Irritating to mouth, throat and stomach. Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea.

Effects of long-term May cause damage to organs through prolonged or repeated exposure. (chronic) exposure

Information on toxicological effects Acute toxicity				
Product		Species	Test Results	
Endimal™ C				
	Acute			
	LD50 Oral	Rat	1075 mg/kg (Test results for a product at higher concentration)	



LD50 Dermal

LD50 Inhalation (dusts

and mists)

Rat

Rat

>2000 mg/kg (Test results for a product at higher concentration)

>6.53 mg/l over a 4 hour exposure (Test results for a product at higher concentration)

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Moderate irritant (Test results for a product at higher concentration)
Serious eye damage/eye irritation	Mild irritant (Test results for a product at higher concentration)
Respiratory or skin sensitization Respiratory sensitization	Not sensitizing.
Skin sensitizer	Not sensitizing.
Germ cell mutagenicity	Not mutagenic in a standard battery of genetic toxicological tests. Did not show carcinogenic or mutagenic effects in animal experiments.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	Sodium Chlorite (CAS 7758-19-2) Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Reproductive toxicity	Not classified as a reproductive toxin.
Specific target organ toxicity - single exposure	Not classified as a specific target organ toxicity -single exposure.
Specific target organ toxicity - repeated exposure	Specific Target Organ Toxicity (STOT), Repeated Exposure: blood, kidneys, liver, spleen.
Aspiration toxicity	Not expected to be an aspiration hazard.
Chronic effects	Chronic skin contact with low concentrations may cause dermatitis. Prolonged or repeated overexposure may cause blood, liver, spleen and kidney effects.

12. Ecological Information

Ecotoxicity		
Product	Species	Test Results



Sodium Chlorite (CAS 7758-19-2)

	Aquatic Acute				
	Algae	EC ₅₀	Gre	en algae (Selenastrum capricornutum)	1.2 mg/l
	Crustacea	EC ₅₀	Wat	ter flea (Daphnia)	0.025 mg/l
	Fish	LC ₅₀	She	epshead minnow (Cyprinodon variegatus)	110 mg/l
	Chronic Algae	EC ₅₀	Gre	en algae (Selenastrum capricornutum)	1 mg/l
Persistence and degradability Biodegradation is not applicable to inorganic substances.			c substances.		
Bioaccumulative potential			The product itself has not been tested		
Mobility in soil			In soil, will degrade to sodium chloride but may form chlorine dioxide in contact with acidic soils. Chlorate is an intermediate product of decomposition; it will slowly degrade to chloride.		
Other adverse effects			No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13.Disposal Considerations

Disposal instructions	The generation of waste should be avoided or minimized wherever possible. 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. Waste disposal should be in accordance with existing federal state, provincial and or local environmental controls laws.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).



Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14.Transport Information

DOT	Not regulated.
ΙΑΤΑ	Not regulated.
IMDG	Not regulated.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.
General information	RQ: 0 lbs.

15.Regulatory Information

SARA 311/312	Immediate (acute) health hazard
SARA Title III Section 302 Extremely Hazardous Substances	None
SARA Title III Section 313 Toxic Chemicals	None
US EPA CERCLA Hazardous Subtances (40 CFR 302.4)	None
U.S Toxic Substances Control Act	Listed on the TSCA Inventory.

State regulations

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Ingredient Name	CAS Number	State Code	Concentration (%)
Sodium chlorite	7758-19-2	MA - S, NJ - HS, PA - RTK HS	≤10
Water	7732-18-5		≥90

Massachusetts Substances: MA - S Massachusetts Extraordinary Hazardous Substances: MA - Extra HS New Jersey Hazardous Substances: NJ - HS Pennsylvania RTK Hazardous Substances: PA - RTK HS Pennsylvania Special Hazardous Substances: PA - Special HS



California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

16.Other Information

Issue date Revision # Revision Indicator List of abbreviations	 4/1/2022 G Clarified precautionary statements, added FR clothing precaution. ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstract Services CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 CFR: Code of Federal Regulations DOT: Department of Transportation EPA: Environmental Protection Agency EPCRA: Emergency Planning and Community Right-to-Know Act ERG: Emergency Response Guidebook HSDB[®] - Hazardous Substances Data Bank IARC: International Agency for Research on Cancer IATA: International Agency for Research on Cancer IATA: International Air Transport Association IBC: Internediate Bulk Container IDLH: immediately dangerous to life or health IMDG: International Maritime Dangerous Goods LC: Lethal Concentration LD: Lethal Dose NIOSH: National Institute of Occupational Safety and Health NOEC: No observable effect concentration NTP: National Toxicology Program OECD: Organization for Economic Cooperation and Development OEL: National occupational exposure limits OSHA: Occupational Safety and Health Administration
	IMDG: International Maritime Dangerous Goods
	PEL: Permissible exposure limit
	RCRA: Resource Conservation and Recovery Act
	RQ: Reportable Quantity
	RTECS: Registry of Toxic Effects of Chemical Substances SAR: supplied-air respirator
	SCBA: self-contained breathing apparatus
	SDS: Safety Data Sheet
	STEL: Short Term Exposure Limit
	TWA: Time Weighted Average
	UN: United Nations
Poforoncoc	None

References

None.

Disclaimer



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