

MATERIAL SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

Product Name: 6439
Manufacturer: CH2O INC
8820 OLD HWY 99 SE
Olympia, WA 98501 USA
(360) 943-6063 800-562-6184

IN AN EMERGENCY CALL CHEMTREC AT 1-800-424-9300

II. INGREDIENT INFORMATION

Ingredient	CAS Number	% By Weight	OSHA PEL	ACGIH TLV
Sodium nitrite	7632-00-0	24	15 mg/m3 DUST	NA
Sodium Metaborate	10555-76-7	5 - 10	15 mg/m3	10 mg/m3

III. HAZARDS IDENTIFICATION

HMIS Rating:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PROTECTIVE EQUIPMENT	B

Protective Equipment Key:

A safety glasses	G safety glasses, a vapor respirator
B safety glasses and gloves	H splash goggles, gloves, apron and a vapor respirator
C safety glasses, gloves and an apron	I safety glasses, gloves and a dust/vapor respirator
D face shield, gloves and an apron	J splash goggles, gloves, apron and a dust/vapor respirator
E safety glasses, gloves and a dust respirator	K airline hood or mask, gloves, full suit and boots
F safety glasses, gloves, apron and a dust respirator	L - Z custom PPE

Eyes: This material may cause eye irritation. Direct contact with material or exposure to vapor, mist or dust may cause stinging, tearing, and redness.

Skin: This material may cause skin irritation. Prolonged or repeated contact may cause redness, burning, drying, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

Ingestion: This material is toxic. Ingestion of this material will cause irritation of the digestive tract. Small amounts of this material may be aspirated into the respiratory system during ingestion or vomiting and may cause mild to severe pulmonary injury.

Inhalation: No effects anticipated under normal use conditions.

Carcinogenicity:

IARC: False

NTP: False

OSHA: False

IV. EMERGENCY AND FIRST AID MEASURES

Eyes: Flush with large amounts of fresh water for 15 minutes, lifting upper and lower lids occasionally. Contact a physician if irritation persists.

Skin: Remove contaminated clothing and launder before re-use. Flush exposed areas with large amounts of fresh water. If skin feels slippery, continue flushing until slick feeling is gone. Contact a physician if irritation persists.

Ingestion: Do not induce vomiting. Give several glasses of water for dilution effect. If vomiting occurs, administer additional fluids. Never give anything by mouth to an unconscious person. Contact a physician immediately for further instructions.

Inhalation: Move victim to fresh air. Administer oxygen if breathing is difficult, or artificial respiration if breathing has stopped. Contact a physician if irritation persists.

Medical Conditions Aggravated By Exposure:

None known.

V. FIRE FIGHTING MEASURES

Firefighters should wear appropriate protective equipment including respiratory protection as conditions warrant. Stop spill/release if it can be done without risk. Move undamaged containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and containers exposed to heat and flame. Avoid spreading burning material with water used for cooling purposes.

Flash Point (closed cup) °F: >212

Extinguishing Media: Foam, dry chemical, water spray.

Special Fire Fighting Procedures: None known

Unusual Fire & Explosion Hazards: This material contains an oxidizing agent. Product residues can supply oxygen to stimulate or accelerate combustion of organic or other combustible materials. These fires are difficult to extinguish.

VI. ACCIDENTAL RELEASE INFORMATION

Spill Response: Only trained personnel with proper protective gear should be permitted in the area. Stop spill at source; reclaim material if possible for reuse. Containerize contaminated material for disposal. After all visible traces have been removed, flush area thoroughly with water. Dispose of all waste in accordance with local, state, and federal regulations. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination.

Waste Handling Procedure: See Section XIII

VII. HANDLING AND STORAGE

Handling: Eyewash fountain recommended in work area. Do not use pressure to empty container. Do not cut, grind, weld, or drill on or near this container. Containers, even when empty, can contain product residues and vapors; always obey hazard warnings and handle empty containers as if they were full.

Storage: Store this material in a cool, dry, well ventilated area away from heat and all sources of ignition. Keep container tightly closed when not in

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use. Store only in approved containers that have been properly labeled. Protect container from physical damage.

Shelf Life (months): 24

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection: Use safety glasses when handling product concentrate. Where contact is likely or probable, splash-proof chemical goggles are recommended. If vapors cause eye discomfort, use a full-face respirator.

Skin Protection: During normal use of the diluted product, no special precautions other than impervious gloves should be needed. When probable or repeated contact could occur, use additional protective clothing. Selection of specific items such as boots, apron, or full-body suit will depend on the operation.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, use an approved air-purifying respirator. When exposure guidelines may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Environmental Controls: Maintain airborne concentrations below the exposure guidelines. If airborne concentrations are unknown it should be assumed they are at or above exposure guidelines.

Hygiene: Never touch face with hands or gloves that may be contaminated with product. Wash thoroughly with soap and water after handling product.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 1.225	1% pH: 10-12	Percent Volatile: 65-75	Physical State: Liquid	Solubility: Complete in water.
Appearance and Odor: Clear, very light yellow, no odor.				

X. STABILITY AND REACTIVITY

General: This product is considered a stable material under normal and anticipated storage and handling conditions.

Incompatibility: Incompatibilities include:

Sodium nitrite is incompatible with many substances, including reducing agents, acids, ammonium salts, organic matter, cyanides, thiosulfates, cellulose, lithium, amines, and amides.

Hazardous Decomposition Products: Hazardous decomposition products include:
May form oxides of nitrogen.

XI. TOXICOLOGICAL INFORMATION

Toxicological properties of this chemical mixture have not been thoroughly investigated.

XII. ECOLOGICAL PROPERTIES

The properties of this chemical mixture have not been thoroughly investigated, although it is known to be toxic to aquatic organisms. Any run off must be contained and collected for proper disposal.

XIII. DISPOSAL INFORMATION

Dispose of all product and wastes thereof in accordance with local, state, and federal regulations.
Empty containers may contain product residuals which could contaminate the environment if improperly managed. It is important to handle empty containers carefully, and to dispose of them in accordance with all pertinent regulations.

XIV. TRANSPORTATION INFORMATION

UN3082, Environmentally Hazardous Substance, Liquid, NOS, (Sodium Nitrite), 9, III, RQ
(DOT regulated in quantities over 425 lbs in one container ONLY)

RQ: 425

XV. REGULATORY INFORMATION

This product is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Hazard Category: Acute: True	Reactive: False	Fire: False	R-O-P: False
This product contains a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR part 372.			

XVI. OTHER INFORMATION

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. As the use of this material is subject to conditions beyond the sellers control, seller makes no warranty express or implied as to this material or its use other than its chemical analysis when packed. The total liability of seller shall be limited to the purchase price of the product.

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