

### SECTION 1: IDENTIFICATION

**Product Name:** OS-2225  
**SDS Number:** 260430-01  
**Product Description:** Water Treatment Chemical  
**Revision Date:** 04/30/2026  
**Product Use:** Water Treatment  
**Company:** Apex Water + Process  
 12270 43rd Street NE  
 St. Michael MN 55376  
**Website:** www.TeamApex.com  
**Contact:** Non-Emergency 1-844-603-4077  
**Emergency Response:** **For Hazardous Materials Incident, Spill, Leak, Fire, Exposure, or Accident Call: CHEMTREC at (800) 424-9300 CCN 1018609**

### SECTION 2: HAZARD IDENTIFICATION

**Hazard Classification:** Flammable Liquid, Category 3  
 1-4 (1 most severe) Acute Toxicity (Inhalation), Category 4  
 Acute Toxicity (Dermal), Category 4  
 Acute Aquatic Toxicity, Category 2  
 Chronic Aquatic Toxicity, Category 2

**Signal Word(s):** **WARNING**  
**Pictograms:**



**Hazard Statements:** Flammable liquid and vapor.  
 Harmful if inhaled.  
 Harmful if swallowed.  
 Toxic to aquatic life.  
 Toxic to aquatic life with long-lasting effects.

**Precautionary Statements**

**Prevention:** Read SDS and label before use. Keep away from heat/ sparks/ open flames/ hot surfaces – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing fume/ gas/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area. Always wear appropriate PPE. Wash affected body parts thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep out of reach of children.

**Response:** IF SWALLOWED: Do not induce vomiting. Rinse mouth with water. Immediately call a POISON CENTER or doctor/ physician; IF ON SKIN OR HAIR: Take off immediately all contaminated clothing. Wash with plenty of water; IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell; IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention. IN CASE OF FIRE: Use dry sand, cry chemical or alcohol-resistant foam to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up. See Section 7.

**Disposal:** Dispose of contents and container in accordance with federal, state, and local regulations.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	CHEMICAL NAME	% WT. or % Vol.
3710-84-7	Diethylhydroxylamine	15 - 25

Confidential business information has been removed without affecting the overall safety information on the safety data sheet.

### SECTION 4: FIRST AID MEASURES

**Eyes:** Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.

**Skin Contact:** Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 30 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

**Inhalation:** Remove source of exposure or promptly remove to fresh air. If signs of suffocation, irritation or other symptoms develop, Get medical attention immediately. Immediately call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. If direct contact during rescue breathing poses a threat to the first aid provider, "Avoid mouth-to-mouth contact by using a barrier device."

**Note to Physician:** Treat symptomatically and supportively.

### SECTION 5: FIREFIGHTING MEASURES

**Suitable Extinguishing Agents:** Alcohol-Resistant Foam  
Carbon Dioxide (CO<sub>2</sub>)  
ABC Powder  
Water Mist

**Specific Hazards During Firefighting:** Combustion may generate toxic fumes of diethylamine, carbon monoxide, and carbon dioxide. Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

**Specific Extinguishing Methods:** User extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

**Specific PPE for Firefighters:** In the event of fire, wear a self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

## SECTION 6:

## ACCIDENTAL RELEASE MEASURES

**Spill Response:** Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Material can create slippery conditions. Use non-slip safety shoes in areas where spills or leaks can occur. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow contact with soil, surface or ground water. Do not allow uncontrolled discharge of product into the environment. Dam up. Soak up with noncombustible inert absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). Sweep up and shovel. Pick up and transfer to properly labelled noncombustible containers. Clean contaminated floors and objects thoroughly with observing environmental regulations.

**Spill Notification:** Determine if federal, state, and/or local release notification is required.

## SECTION 7:

## HANDLING AND STORAGE

**Advice on Safe Handling:** Wear personal protective equipment. Avoid formation of aerosol. Take precautionary measures against static discharges. Handle with care. Take care to avoid waste and spillage when weighing, loading and mixing the product. Open drum carefully as content may be under pressure.

**Conditions for Safe Storage:** No smoking, eating or drinking while handling product. Provide sufficient air exchange and/or exhaust in work rooms. Keep in properly labelled containers. Observe label precautions. Keep containers tightly closed in a dry, cool and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

**Materials to Avoid:** Do not freeze. Keep away from food and drink. Keep away from tobacco products.

## SECTION 8:

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL) or OSHA (PEL).

**Engineering Controls:** Provide local exhaust or general dilution ventilation system. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

### Personal Protective Equipment:



**Body Protection:** Chemically resistant materials and fabrics. Wear chemically protective boots, aprons and gauntlets to prevent skin contact.

**Hand Protection:** Wear chemically resistant protective gloves including nitrile, PVC, natural rubber, Viton and butyl.

**Eye Protection:** Wear protective eyeglasses or chemical safety splash goggles, per OSHA eye-and face-protection regulations (29 CFR 1910.133). Contact

lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA.NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel or storage tanks), wear and SCBA. Warning! Air-purifying respirators do not protect worker in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient sanitary storage areas.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless to straw colored liquid
<b>Odor:</b>	Amine odor
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	< 12.0
<b>Melting Point/Freezing Point:</b>	No data available
<b>Boiling Point/Range:</b>	125 - 135°F (52 – 57°C)
<b>Flash Point:</b>	115°F @ 98% active
<b>Evaporation Rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Flammable liquid and vapors
<b>Upper/Lower Explosion Limit:</b>	No data available
<b>Vapor Pressure:</b>	32 @ 77°F (25°C)
<b>Vapor Density:</b>	3:1
<b>Relative Density:</b>	0.96 g/mL
<b>Water Solubility:</b>	Soluble
<b>Partition Coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available

**NOTE:** The physical data presented above are typical values and should not be construed as a specification.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Product is stable under normal storage and use conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous reactions may occur in the presence of heat, flames, sparks. Some amines may react with nitrates to form nitrosamine which have been shown to cause cancer in laboratory animals.
<b>Conditions to Avoid:</b>	Avoid extreme temperatures. Keep container closed when not in use.
<b>Incompatible Materials:</b>	May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. open flames.
<b>Hazardous Decomposition Products:</b>	None under normal storage and use conditions. In the event of combustion, nitrogen oxides, carbon monoxide, and carbon dioxide may form.

**SECTION 11:****TOXICOLOGICAL INFORMATION**

- Acute Toxicity:** LD50 (oral, rat) = 2190mg/kg; LC50 (inhalation, rat) = 11.7 mg/L/4 hr;  
LD50 (dermal, rabbit) =1300 mg/kg
- Skin:** May be harmful in contact with skin. Irritation of various degrees.
- Eye:** Acute burns or irritation.
- Respiratory:** May be harmful if inhaled. May cause irritation to the respiratory tract and/or lungs.
- Ingestion:** Severe intestinal tract irritant. Do not induce vomiting.
- Germ Cell Mutagenicity:** Unscheduled DNA synthesis in vitro - positive  
Drosophila melanogaster recessive lethal assay - positive  
Rat dominant lethal assay - ambiguous
- Carcinogenicity:** No components list as a carcinogen.
- Reproductive Toxicity:** No data available
- STOT (Single):** No data available
- STOT (Repeated):** No data available
- Aspiration Hazard:** No data available

**SECTION 12:****ECOLOGICAL INFORMATION**

- Aquatic Toxicity:** LC50 (48 hours) Ceriodaphnia dubia - 1380 mg/L
- Persistency & Degradability:** No data available
- Bioaccumulative Potential:** No data available
- Mobility in Soil:** No data available
- Other Adverse Effects:** No data available

**SECTION 13:****DISPOSAL CONSIDERATIONS**

- Disposal Methods:** Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal Considerations:** Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

**SECTION 14:****TRANSPORT INFORMATION**

- UN Number:** UN 1993
- Description of the Goods:** Flammable Liquid, N.O.S.
- Class:** 3 - Flammable
- Packing Group:** PG III
- Environmental Hazards:** Not determined
- DOT Transportation data (49 CFR 172.101)

## SECTION 15:

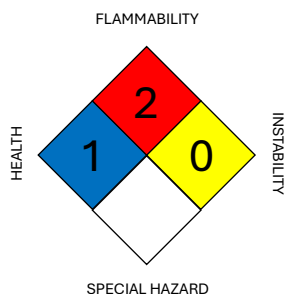
## REGULATORY INFORMATION

**TSCA Inventory Status:** All ingredients are listed as active on the TSCA inventory  
**DSCL (EEC):** All ingredients are listed as active on the DSCL inventory  
**California Proposition 65:** Not Listed  
**SARA 302:** Not applicable  
**SARA 304:** Not Listed  
**SARA 311/312:** Tier II RQ-10,000 lbs.  
**CERCLA:** Not Listed

## SECTION 16:

## OTHER INFORMATION

### NFPA:



### Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

### HMIS III:

0 = Minimal  
 1 = Slight  
 2 = Moderate  
 3 = Serious  
 4 = Severe  
 \* = Chronic

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0