

Safety Data Sheet

Part Number 326615

Section 1. Substance Identity and Company Contact Information

Product Name	WAD A Reagent	Product Part Number(s)	A001416 and 322129
Trade Name	This product is proprietary material.	Unit Size	5 grams, 10mL
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word

Danger

Precautionary Statement(s)

Causes severe skin burns and eye damage. Toxic if swallowed and inhaled. Corrosive. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns.

Target Organ(s)

N/A

Potential Health Effects

Eye:	Causes burns. May cause conjunctivitis and corneal damage.
Skin:	Causes burns. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.
Ingestion:	May cause severe and permanent damage to the digestive tract. May cause gastrointestinal tract burns. May cause perforation of the digestive tract. May cause systematic effects.
Inhalation:	Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. May cause systematic effects. May cause burning sensations, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

**Chronic Effects/
Carcinogenicity**

IARC:	Not available
NTP:	Not available
OSHA:	Not available

**Teratology (Birth Defects)
Information**

N/A

Reproductive Information

N/A

NFPA Ratings

Health:	3
Flammability:	0
Reactivity:	0
Special Notice Key:	None

HMIS Rating	Health:	1
	Flammability:	0
	Reactivity:	0
	Protective Equipment:	B (protective eyewear and gloves)

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL

Identity is withheld as a trade secret per OAR 437, Division 2, General Occupational Safety and Health Rules (29 CFR 1910).

Section 4. First Aid Measures

General Advice	Treat symptomatically and supportively.
If Inhaled	Get medical aid immediately, remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if the victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
In Case of Skin Contact	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.
In Case of Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow the victim to rub eyes or keep eyes closed. Extensive eye irrigation with water is required (at least 30 minutes).
If Swallowed	Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting. If conscious and alert, rinse the mouth and drink 2-4 cups of mild or water.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available

Section 5. Fire-fighting Measures

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the grounds and collect in low or confined areas.
Suitable Extinguishing Media	Use water, dry chemical, chemical foam, or alcohol-resistant foam. Water may be ineffective.
Special Hazards Arising from the Substance or mixture	Not available
Advice for Firefighters	Wear a self-contained breathing apparatus for fire fighting, if necessary.
Flash Point	> 110 °C (> 230 °F)
Autoignition Temperature	N/A
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
Environmental Precautions	No special environmental precautions required.
Methods and Materials for Containment and Cleaning	Absorb spills using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust. Provide ventilation.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	Wash thoroughly after handling, remove contaminated clothing and wash before reuse. Use only in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Keep containers tightly closed. Do not ingest or inhale. Use and store under nitrogen. Use only in a chemical fume hood. Discard contaminated shoes. Do not breathe vapor.
Conditions for Safe Storage, Including any Incompatibilities	Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a corrosives area. Keep containers tightly closed.
Specific End Use(s)	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	Not available
Appropriate Engineering Controls	General industrial hygiene practice
Eye/Face Protection	Wear appropriate protective eyeglasses or chemical safety goggles.
Skin Protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Body Protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and the specific work-place.
Respiratory Protection	Employ a respiratory protection program. Facilities storing or using this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.
Control of Environmental Exposure	No special environmental precautions required.

Section 9. Physical and Chemical Properties

Appearance	Form: Liquid; Color: Clear, colorless
Odor	None
Odor Threshold	No data available
pH	Not available
Melting Point/Freezing Point	Not available
Initial Boiling Point and Boiling Range	140 ° - 150 °C
Flash Point	> 110 °C (> 230 °F)
Evaporation Rate	No data available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	Not available
Vapor Density	5.53
Relative Density	Not available
Water Solubility	Not available
Partition Coefficient : n-octanol/water	No data available

Auto-ignition Temperature	Not available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Incompatible materials, strong oxidants
Incompatible Materials	Nitrogen oxides, carbon monoxide, and carbon dioxide

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Not available
	<i>On the eye:</i>	Not available
	<i>Inhalation:</i>	Not available
	<i>Ingestion:</i>	Not available
Respiratory or Skin Sensitization	Not available	
Signs and Symptoms of Overexposure	Not available	
Toxicity Data	<i>Oral Rat</i>	Not available

Section 12. Ecological Information

General Notes	No data available
----------------------	-------------------

Section 13. Disposal Considerations

Product	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. U.S. EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
Contaminated Packaging	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. U.S. EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14. Transport Information

DOT Shipping Name	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
UN Proper Shipping Name	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
DOT Hazard Class	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
Packing Group	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
UN Number	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
Hazardous Ingredients	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
DOT Label	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)
DOT Placard	DOT regulated, small quantity provisions apply (see 49 CFR 173.4)

IMDG Shipping Name Amines, liquid, corrosive, n.o.s.
UN Number UN2735
Class 8
Packing Group III

IATA Shipping Name Amines, liquid, corrosive, n.o.s.
Technical Shipping Name Not available
IATA Hazard Class 8
UN Number UN2735
Hazardous Ingredients Not available
IATA Label corrosive
IATA Placard corrosive

Section 15. Regulatory Information

OSHA Status None of the chemicals in this product are considered highly hazardous by OSHA.
TSCA Status None of the chemicals are on the Health & Safety reporting list.
CERCLA Reportable Quantity None of the chemicals in this material have an RQ.
SARA Title III Not listed
RCRA Status Not listed
California Proposition 65 None of the chemicals in this product are considered highly hazardous substances, priority pollutants, or toxic pollutants under the CWA.
Chemical Weapons Convention Not listed
TSCA 12 (b) None of the chemicals are listed under TSCA Section 12b.
SARA 311/312
Acute: Not available
Chronic: Not available
Fire: Not available
Pressure: Not available
Reactivity: Not available
Australian Hazchem Code Not available
Poison Schedule Not available
WHMIS This product has a WHMIS classification of E. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the SDS contains all of the information required by those regulations.

Section 16. Other Information

Date Prepared: April 14, 2004

Revised: May 18, 2015

For R&D use only. Not for drug, household, or other uses. Judgements as to the suitability of information herein for the purchaser's purpose are necessarily the purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, OI Analytical extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purpose for consequences of its use. OI Analytical, WTW, Global Water, and SI Analytics are trademarks of Xylem Inc. or one of its subsidiaries.

© 2015 OI Analytical. License granted to make unlimited paper copies for internal use only.



151 Graham Road
PO Box 9010
College Station, Texas
77842-9010
(979) 690-1711
(800) 653-1711 USA/Canada
FAX (979) 690-0440
www.oico.com
E-mail: OI-Mail@Xyleminc.com