

**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ADOX<sup>®</sup> 750  
MSDS Number : 130000043276

Product Use : Water treatment chemical

Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

Importer/Distributor : International Dioxide, Inc., A DuPont Subsidiary, 40 Whitecap Drive, North Kingstown, RI 02852

Telephone :

Other information : professional use

**SECTION 2. HAZARDS IDENTIFICATION**

## Potential Health Effects

## Skin

Sodium chlorite : May cause: Corrosion with pain, ulceration or blisters, cracking or peeling of skin.

## Eyes

Sodium chlorite : Corrosive, may cause permanent eye injury if not promptly treated. May cause: Tearing, pain, redness, swelling, ulceration, visual impairment, or blindness..

## Inhalation

**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

Sodium chlorite : Causes respiratory tract irritation. May cause:, Cough, sneezing, runny nose, sore throat, or shortness of breath..

Repeated exposure  
Sodium chlorite : Adverse effects from repeated ingestion may include: Gastrointestinal effects Abnormal decrease in number of red blood cells (anaemia) which could produce tiredness, rapid heartbeat, dizziness, pale skin, leg cramps, shortness of breath. altered blood chemistry

Target Organs  
Sodium chlorite : Blood

Carcinogenicity  
None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Sodium chlorite	7758-19-2	7.5 %
Water	7732-18-5	92.5 %

**SECTION 4. FIRST AID MEASURES**

Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Call a poison control center or doctor for treatment advice.

Eye contact : Rinse immediately with plenty of water and seek medical advice.



**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

- Inhalation : Move to fresh air. If not breathing, give artificial respiration. Call a poison control center or doctor for treatment advice.
- Ingestion : Call a poison control center or doctor for treatment advice. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Notes to physician : Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties
  - Flash point : not applicable
- Fire and Explosion Hazard : Drying of this product on clothing or combustible materials may cause fire.
- Suitable extinguishing media : Water
- Firefighting Instructions : Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Wear personal protective equipment. Avoid contact with the skin and the eyes.
- Spill Cleanup : Dilute with water. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Do not allow to dry.



**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Use only in well-ventilated areas.  
Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday.
- Handling (Physical Aspects) : Avoid letting the product become dry.
- Storage : Keep tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feedingstuffs. Avoid heat, freezing and ultraviolet light.  
Do not allow to dry.  
Keep away from: Strong acids and oxidizing agents

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering controls : Ensure adequate ventilation, especially in confined areas.
- Personal protective equipment
  - Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.
  - Hand protection : Additional protection: Impervious gloves
  - Hand protection : Material: Polyvinyl chloride - PVC
  - Eye protection : Wear coverall chemical splash goggles. Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.
  - Skin and body protection : Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots.
  - Protective measures : Avoid exposure - obtain special instructions before use. Wear suitable gloves and eye/face protection.
- Exposure Guidelines  
Exposure Limit Values

**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

Contains no substances with occupational exposure limit values.

None established.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: liquid
Color	: light yellow
Odor	: odourless, slight chlorine
pH	: > 11
Freezing point	: ca. -12 °C (10 °F)
Crystallization temperature	: ca. -6 °C (21 °F)
Boiling point	: ca. 104 °C (219 °F)
Vapour Pressure	: ca. 17.0 mm Hg at 20 °C (68 °F)
Density	: ca. 8.83 lb/gal
Specific gravity	: 1.051 - 1.059
Water solubility	: miscible

**SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable at normal temperatures and storage conditions. Decomposes on heating.
Conditions to avoid	: Stable under normal conditions. Decomposes on heating.
Incompatibility	: Strong acids and oxidizing agents Organic materials, chlorinated compounds, Reducing agents
Hazardous decomposition products	: Hazardous decomposition products: Chlorine , Chlorine dioxide...%
Hazardous reactions	: Contact with acids, organic materials, reducing agents and oxidizing agents will release toxic gases of chlorine and/or chlorine dioxide.

**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

**SECTION 11. TOXICOLOGICAL INFORMATION**

## Sodium chlorite

Dermal LD50 : 134 mg/kg , rabbit

Oral LD50 : 284 mg/kg , rat

Inhalation 4 h LC50 : 0.23 mg/l , rat

Skin irritation : Corrosive, rabbit

Eye irritation : Corrosive, rabbit

Skin sensitization : Animal test did not cause sensitization by skin contact., guinea pig

Repeated dose toxicity : Oral  
 rat  
 1 y  
 Target Organs: Blood  
 Gastrointestinal effects, Abnormal decrease in number of red blood cells, Abnormal decrease in red -blood -cell haemoglobin (hemoglobinemia)

Oral  
 rat  
 14 d  
 altered hematology, altered urinalysis results

Oral  
 Monkey  
 altered hematology, altered blood chemistry

Carcinogenicity : Animal testing did not show any carcinogenic effects.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Animal testing did not show any mutagenic effects.

Reproductive toxicity : Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.

**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**

## Aquatic Toxicity

## Sodium chlorite

96 h LC50 : Cyprinodon variegatus (sheepshead minnow) 105 mg/l

96 h ErC50 : Scenedesmus capricornutum (fresh water algae) 1 mg/l

48 h EC50 : Daphnia magna (Water flea) < 1.0 mg/l

96 h LC50 : Americamysis bahia (mysid shrimp) 0.65 mg/l

## Environmental Fate

## Sodium chlorite

Biodegradability : Readily biodegradable.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Environmental Hazards : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If recycling is not practicable, dispose of in compliance with local regulations.

**SECTION 14. TRANSPORT INFORMATION**

DOT UN number : 1908

Proper shipping name : Chlorite solution

Class : 8

7 / 9

**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

IATA_C	Packing group	: III
	Labelling No.	: 8
	UN number	: 1908
	Proper shipping name	: Chlorite solution
IMDG	Class	: 8
	Packing group	: III
	Labelling No.	: 8
	UN number	: 1908
	Proper shipping name	: Chlorite solution
	Class	: 8
	Packing group	: III
	Labelling No.	: 8

Marine Pollutant

**SECTION 15. REGULATORY INFORMATION**

TSCA Status	: Listed.
SARA 313 Regulated Chemical(s)	: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
EPA Reg. No.	: 9150-8 In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.
California Prop. 65	: Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known
NJ Right to Know Regulated Chemical(s)	: Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Sodium chlorite





**ADOX<sup>®</sup> 750**

Version 6.0

Revision Date 10/11/2012

Ref. 130000043276

**SECTION 16. OTHER INFORMATION**

The DuPont Oval Logo is a registered trademark of E.I. du Pont de Nemours and Company.

Contact person : MSDS Coordinator, DuPont Chemicals and Fluoroproducts, Wilmington, DE  
19898, (800) 441-7515

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

Significant change from previous version is denoted with a double bar.