

## SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **TITRAVER 16000**  
 OTHER MEANS OF IDENTIFICATION: Tetrasodium EDTA Solution  
 RECOMMENDED USE: Laboratory chemical  
 RESTRICTIONS ON USE: None  
 SUPPLIER IDENTIFIER: **Di-Corp**  
**8750-53 Ave**  
**Edmonton, AB T6E 5G2**  
**780-440-4923**  
 EMERGENCY PHONE NUMBER: 780-468-4064 (24 hr)

## SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Serious Eye Damage / Eye Irritation – Category 1

LABEL SYMBOLS:



SIGNAL WORD: Danger

HAZARD STATEMENTS: Causes serious eye damage.

PRECAUTIONARY STATEMENTS:

**Prevention**

Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

OTHER HAZARDS:

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Tetrasodium ethylenediaminetetraacetate (EDTA)	64-02-8	10 - 15% (w/v)
Sodium hydroxide (caustic soda)	1310-73-2	0.1 – 1.0% (w/v)

## SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Immediately flush with copious amounts of running water for 15 minutes while removing contaminated clothing. If irritation persists, or burns develop, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water for 15 minutes holding eyelids open. Remove contact lens, if present. Neutral saline may be used as soon as it is available. Obtain medical attention when flushing period is complete and no further irritation is felt.

INGESTION: Do not induce vomiting. If victim is conscious and alert, rinse mouth with water. Obtain immediate medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. Obtain immediate medical attention.

MOST IMPORTANT SYMPTOMS / EFFECTS: May cause severe eye irritation.

IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT: For eye contact immediate flushing with water is required.

## SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media suitable for surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC FIRE HAZARDS:	None known.
HAZARDOUS COMBUSTION PRODUCTS:	Not available.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Full protective equipment and self-contained breathing apparatus required for fire-fighting personnel. Remove containers from fire area, or cool with water spray, if possible.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Always use suggested or required safety equipment.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Soak up liquid with absorbent material and place in suitable approved containers for disposal. Wash spill site with water and soap after material pick up is complete.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Avoid ingestion. Wash thoroughly after handling. Launder contaminated clothing before reuse.

### CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry place away from incompatible materials. Keep containers tightly closed when not in use. Empty containers contain residual hazardous material, and must be handled and stored as if full.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>INGREDIENT:</b>	<b>EXPOSURE LIMITS:</b>
Tetrasodium EDTA	Not available
Sodium hydroxide	ACGIH TWA = 2 mg/m <sup>3</sup>
<b>ENGINEERING CONTROLS:</b>	General mechanical sufficient for normal use. Use process enclosure, local exhaust ventilation or other engineering controls if vapours or mists are generated during use.
	<b>PERSONAL PROTECTIVE MEASURES</b>
<b>RESPIRATORY PROTECTION:</b>	None required for this solution. Use NIOSH approved respirator with acid gas/mist cartridges if vapours or mists are generated.
<b>PROTECTIVE GLOVES:</b>	Suggest rubber or latex gloves be worn.
<b>EYE PROTECTION:</b>	Suggest chemical splash goggles. Do not wear contact lenses.
<b>OTHER PROTECTIVE EQUIPMENT (SPECIFY):</b>	Suggest the use of a chemical apron and/or chemical resistant clothing. Ensure eye-wash station and emergency shower are available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear colourless liquid
ODOUR:	Odourless
ODOUR THRESHOLD:	Not applicable
pH:	8.0 – 10.0
MELTING POINT / FREEZING POINT:	Not determined
BOILING POINT / RANGE:	Not determined
FLASH POINT:	Not applicable

EVAPORATION RATE:	Not available
FLAMMABILITY:	Not applicable
FLAMMABILITY / EXPLOSIVE LIMITS:	Not applicable
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
RELATIVE DENSITY:	Not available
SOLUBILITY:	Miscible in water
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

## SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	No information available
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Polymerization will not occur
CONDITIONS TO AVOID:	Avoid incompatible materials and water reactive materials.
INCOMPATIBLE MATERIALS:	Strong acids and water reactive materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.

## SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	Not available
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### COMPONENT TOXICITY

COMPONENT	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Tetrasodium EDTA	1700 – 1913 mg/kg (rat)	Not available	Not available
Sodium hydroxide	Not available	Not available	Not available

SKIN CONTACT:	May cause irritation. Prolonged contact may result in chemical burns.
EYE CONTACT:	Causes severe eye irritation. Without immediate first aid permanent eye damage can result.
INGESTION:	May cause irritation of the digestive tract. Swallowing large quantity may be harmful.
INHALATION:	No vapours given off at normal handling temperatures. Mists or aerosols are harmful if inhaled. May cause irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.
CARCINOGENICITY:	No information available.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	No information available.

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	No product or component information available.
PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.

MOBILITY IN SOIL: Not available.  
OTHER ADVERSE EFFECTS: Not available.

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

Dispose in accordance with all federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Rinse empty containers thoroughly before discarding.

### **SECTION 14: TRANSPORTATION INFORMATION**

TDG: Not regulated  
DOT: Not regulated  
IATA: Not regulated  
IMDG: Not regulated  
UN NUMBER: Not applicable  
PROPER SHIPPING NAME: Not applicable  
CLASS: Not applicable  
PACKING GROUP: Not applicable  
IMDG HAZARDS: Not available  
BULK TRANSPORT: Not applicable  
SPECIAL PRECAUTIONS: Not available

### **SECTION 15: REGULATORY INFORMATION**

DSL: All ingredients are listed on the DSL.  
WHMIS CLASS: Not available.  
TSCA: All ingredients are listed or exempt from listing.

### **SECTION 16: OTHER INFORMATION**

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