



Tentrex Plus

SECTION 1. IDENTIFICATION

Product Identifier Tentrex Plus
Product Family All Purpose Cleaner
Manufacturer Tennier Sanitation, 1 McKinstry St, Hamilton, ON, L8L 6C2, 905-522-5756
Emergency Phone No. CANUTEC , 613-996-6666, 24 Hours
CHEMTREC, 1-800-424-9300
SDS No. 0329

SECTION 2. HAZARD IDENTIFICATION

Classification

Eye irritation - Category 2B

Label Elements

Warning

Causes skin and eye irritation.

Wash hands and skin thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Alcohols, C7-21, ethoxylated	68991-48-0	3-7		
Tetrasodium EDTA	10378-23-1	1-5		
Sodium Metasilicate	6834-92-0	1-5		Metso Pentabead 20

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash with plenty of water. If skin irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

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SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Special Protective Equipment and Precautions for Fire-fighters

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand/NIOSH approved or equivalent).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing.

Conditions for Safe Storage

Store in an area that is: ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Tetrasodium EDTA	20 ppm A3		25 ppm Skin			
Sodium Metasilicate	20 ppm A3		25 ppm Skin			
Alcohols, C7-21, ethoxylated	20 ppm A3		25 ppm Skin			

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

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Appearance	Clear yellow liquid.
Odour	Citrus
pH	12.5
Relative Density (water = 1)	1.03 - 1.07
Solubility	Soluble in all proportions in water
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Conditions to Avoid

Contamination.

Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

Corrosive, oxidizing nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Tetrasodium EDTA	700 ppm (mouse)	450-3000 mg/kg (rat)	400-510 mg/kg (rabbit)
Sodium Metasilicate	700 ppm (mouse)	450-3000 mg/kg (rat)	400-510 mg/kg (rabbit)
Alcohols, C7-21, ethoxylated	700 ppm (mouse)	450-3000 mg/kg (rat)	400-510 mg/kg (rabbit)

Skin Corrosion/Irritation

Human experience shows very mild irritation.

Serious Eye Damage/Irritation

Animal tests show serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Skin Absorption

Symptoms may include redness, rash, swelling and itching.

Ingestion

Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Tetrasodium EDTA	Group 3	A3	Not Listed	Not Listed
Sodium Metasilicate	Group 3	A3	Not Listed	Not Listed
Alcohols, C7-21, ethoxylated	Group 3	A3	Not Listed	Not Listed

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

No information was located.

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Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Tetrasodium EDTA	1000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static)	210 mg/L (Daphnia magna (water flea); fresh water; static)		
Sodium Metasilicate	1000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static)	210 mg/L (Daphnia magna (water flea); fresh water; static)		
Alcohols, C7-21, ethoxylated	1000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static)	210 mg/L (Daphnia magna (water flea); fresh water; static)		

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

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SECTION 16. OTHER INFORMATION

SDS Prepared By Elemental
Phone No. 519.537.1095
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