

# Material Safety Data Sheet

## Techno 2000

### 1 . Product and company identification

**Common name** : Techno 2000  
**Material uses** : Concentrated grease remover.  
**Supplier/Manufacturer** : V-TO Inc.  
 2975, Nelson  
 Saint-Hyacinthe  
 QC J2S 1Y5  
 Tél: (450) 774-6849  
 Fax:(450) 774-4334  
**In case of emergency** : CANUTEC (613) 996-6666 (Canada)  
**MSDS authored by:** : Atrion Regulatory Services, Inc. 08/01/2007

### 2 . Hazards identification

**Physical state** : Liquid. [Clear.]  
**Hazard status** : This material is classified hazardous under OSHA regulations in the United States and the WHMIS Controlled Product Regulation in Canada.  
**Emergency overview** : WARNING !  
 CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.  
 Irritating to eyes, respiratory system and skin. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Contains material that can cause target organ damage. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.  
**Routes of entry** : Dermal contact. Eye contact. Inhalation. Ingestion.  
**Potential acute health effects**  
**Eyes** : Irritating to eyes.  
**Skin** : Irritating to skin.  
**Inhalation** : Irritating to respiratory system.  
**Ingestion** : May be harmful if swallowed.  
**Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
 Mutagenic effects: Not available.  
 Teratogenic effects: Not available.  
**Medical conditions aggravated by over-exposure** : Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.  
**See toxicological information (section 11)**

### 3 . Composition/information on ingredients

#### United States

Name	CAS number	%
Hexylene Glycol	107-41-5	1 - 5
Ethylene oxide-nonylphenol polymer	9016-45-9	1 - 5
Sodium Tripolyphosphate	7758-29-4	1 - 5

## Canada

Name	CAS number	%
Hexylene Glycol	107-41-5	1 - 5
Ethylene oxide-nonylphenol polymer	9016-45-9	1 - 5
Sodium Tripolyphosphate	7758-29-4	1 - 5

## 4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

## 5 . Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Products of combustion** : Decomposition products may include the following materials:  
carbon oxides  
phosphorus oxides  
metal oxide/oxides
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.  
In a fire or if heated, a pressure increase will occur and the container may burst.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8 . Exposure controls/personal protection

### United States

**Product name**

Hexylene Glycol

**Exposure limits**

**ACGIH TLV (United States, 1/2006).**

CEIL: 121 mg/m<sup>3</sup>

CEIL: 25 ppm

**NIOSH REL (United States, 12/2001).**

CEIL: 125 mg/m<sup>3</sup>

CEIL: 25 ppm

**OSHA PEL 1989 (United States, 3/1989).**

CEIL: 125 mg/m<sup>3</sup>

CEIL: 25 ppm

Sodium Tripolyphosphate

**ACGIH TLV (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Dust

### Canada

**Product name**

Hexylene Glycol

**Exposure limits**

**ACGIH TLV (United States, 1/2006).**

CEIL: 121 mg/m<sup>3</sup>

CEIL: 25 ppm

Sodium Tripolyphosphate

**ACGIH TLV (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Dust

- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Eyes** : Safety glasses.
- Skin** : No special protection is required.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.
- Hands** : Natural rubber (latex).



**HMIS Code/Personal protective equipment** : B

**Personal protection in case of a large spill** : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

## 9 . Physical and chemical properties

**Physical state** : Liquid. [Clear.]  
**pH** : Basic.  
**Relative density** : 1.032  
**Solubility** : Miscible in water.

## 10 . Stability and reactivity

**Stability and reactivity** : The product is stable.  
**Incompatibility with various substances** : Reactive or incompatible with the following materials: oxidizing materials and acids.  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
**Hazardous polymerization** : Will not occur.  
**Conditions of reactivity** : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.  
 Slightly flammable in the presence of the following materials or conditions: heat.  
 Non-flammable in the presence of the following materials or conditions: shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.  
 Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.

## 11 . Toxicological information

### Toxicity data

Product/ingredient name	Test / Route	Species	Result
Hexylene Glycol	LD50 Dermal	Rabbit	8560 uL/kg
	LD50 Oral	Rat	3700 mg/kg
Sodium Tripolyphosphate	LD50 Dermal	Rabbit	>4640 mg/kg
	LD50 Intraperitoneal	Rat	525 mg/kg
	LD50 Oral	Rat	3120 mg/kg
	LD50 Subcutaneous	Rat	2060 mg/kg

### Acute Effects

**Eyes** : Irritating to eyes.  
**Skin** : Irritating to skin.  
**Inhalation** : Irritating to respiratory system.  
**Ingestion** : May be harmful if swallowed.  
**Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
 Mutagenic effects: Not available.  
 Teratogenic effects: Not available.  
**Target organs** : Contains material which causes damage to the following organs: mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

## 12 . Ecological information

### Ecotoxicity data

Product/ingredient name	Species	Test	Exposure	Result
Hexylene Glycol	Daphnia	Intoxication	48 hours	Acute EC50 3300 mg/L
	Daphnia	Intoxication	48 hours	Acute EC50 3200 mg/L
	Fish	Mortality	96 hours	Acute LC50 10700 mg/L
	Fish	Mortality	96 hours	Acute LC50 >10000 mg/L

**Environmental precautions** : No known significant effects or critical hazards.

**Products of degradation** : Decomposition products may include the following materials: carbon oxides and water, phosphates.

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

## 14 . Transport information

**AERG** : Not available.

### Regulatory information

**UN/ IMDG/IATA DOT/ TDG** : Not regulated.

## 15 . Regulatory information

### United States

**HCS Classification** : Irritating material  
Target organ effects

**U.S. Federal regulations** : TSCA 8(a) PAIR: Ethylene oxide-nonylphenol polymer  
**United States inventory (TSCA 8b)**: All components listed.

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.

**SARA 302/304 emergency planning and notification**: No products were found.

**SARA 302/304/311/312 hazardous chemicals**: Hexylene Glycol; Sodium Tripolyphosphate

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**

Hexylene Glycol: Immediate (acute) health hazard; Sodium Tripolyphosphate: Immediate (acute) health hazard

**Clean Water Act (CWA) 307**: No products were found.

**Clean Water Act (CWA) 311**: Sodium Tripolyphosphate; Sodium hydroxide

**Clean Air Act (CAA) 112 accidental release prevention** No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances** No products were found.

**State regulations** : **Connecticut Carcinogen Reporting**: None of the components are listed.  
**Connecticut Hazardous Material Survey**: None of the components are listed.  
**Florida substances**: None of the components are listed.  
**Illinois Chemical Safety Act** None of the components are listed.  
**Illinois Toxic Substances Disclosure to Employee Act** None of the components are listed.  
**Louisiana Reporting**: None of the components are listed.  
**Louisiana Spill**: None of the components are listed.  
**Massachusetts Spill**: None of the components are listed.  
**Massachusetts Substances**: The following components are listed: Hexylene

Glycol;Sodium Tripolyphosphate

**Michigan Critical Material:** None of the components are listed.

**Minnesota Hazardous Substances:** None of the components are listed.

**New Jersey Hazardous Substances:** The following components are listed: Hexylene Glycol;Sodium Tripolyphosphate

**New Jersey Spill:** None of the components are listed.

**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.

**New York Acutely Hazardous Substances:** The following components are listed: Sodium phosphate, tribasic

**New York Toxic Chemical Release Reporting:** None of the components are listed.

**Pennsylvania RTK Hazardous Substances:** The following components are listed: Hexylene Glycol;Sodium Tripolyphosphate

**Rhode Island Hazardous Substances:** None of the components are listed.

**California prop. 65:** No products were found.

## Canada

**WHMIS (Canada)** : Class D-2B: Material causing other toxic effects (Toxic).



**Canada inventory** : **Canada inventory:** All components listed.

CEPA DSL: All components listed.

CEPA NDSL: Glycine, n,n'-1,2-ethanediybis-, disodium salt

This product has been classified in accordance with the hazard criteria of the Canadian CPR and the United States OSHA. This MSDS contains all the information required by the CPR and OSHA, the American National Standard Institute (ANSI) Z400.1.

**International lists** : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

## 16 . Other information

**Label requirements (U.S.A.)** : CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

**Hazardous Material Information System (U.S.A.)** :

### HMIS RATING

Health	*	1
Fire hazard		0
Physical Hazard		0
Personal protection		B

### HAZARD RATINGS

4- Extreme  
3- Serious  
2- Moderate  
1- Slight  
0- Minimal

See section 8 for more detailed information on personal protection.

**National Fire Protection Association (U.S.A.)** :



**References** : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

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