

Material Safety Data Sheet

AutoSol

Section 1. Chemical product and company identification

Common name : AutoSol
Material uses : Not available.
Supplier/Manufacturer : V-TO Inc. 2975, Nelson, Saint-Hyacinthe, QC J2S 1Y5
Tél: (450) 774-6849 Fax: (450) 774-4334
In case of emergency : 9 1 1 or Canutec (6 1 3) 996-6666

Section 2. Hazards identification

Physical state : Clear liquid.
Emergency overview : CAUTION!
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of entry : Absorbed through skin. Ingestion.

Potential acute health effects

Eyes : Moderately irritating to eyes.
Skin : Moderately irritating to the skin.
Inhalation : Moderately irritating to the respiratory system.
Ingestion : No known significant effects or critical hazards.

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 or prolonged exposure is not known to aggravate any medical condition.

See toxicological information (section 11)

Section 3. Composition, Information on Ingredients

	CAS number	% by weight
Canada Sodium Tripolyphosphate	7758-29-4	1 - 3

This material is classified hazardous under the WHMIS Controlled Product Regulation in Canada.

See Chapters 8, 11 and 14 for details.

Section 4. First aid measures

Eye contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms appear.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician : No specific antidote. Medical staff must contact Poison Control Center.

Section 5. Fire fighting measures

- Flammability of the product** : Non-flammable.
- Explosion hazards in the presence of various substances** : Risks of explosion of the product in presence of mechanical impact: Not applicable.
Risks of explosion of the product in presence of static discharge: Not applicable.
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
- 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.



Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure controls personal protection

- Engineering controls** : Good general ventilation should be sufficient to control airborne levels.
- Personal protection**
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: Splash goggles. 
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour/hours (breakthrough time): Disposable vinyl gloves. 
- Skin/Body** : No special protective clothing is required.

Personal protection in case of a large spill : Wear appropriate personal protective equipment.

Product name
Canada

Exposure limits

Sodium Tripolyphosphate

ACGIH TLV (Canada).

TWA: 5 mg/m³ 8 hour/hours. Form: Dust

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state	: Clear liquid.
Color	: Blue.
Odor	: Slight.
pH	: Neutral.
Boiling/condensation point	: The lowest known value is 100°C (212°F) (Water).
Melting/freezing point	: May start to solidify at 0°C (32°F) based on data for: Water.
Specific gravity	: 1.044 (Water = 1)
Viscosity	: Dynamic: 85 cP
Ionicity (in water)	: Amphoteric. (Water).
Dispersibility properties	: See solubility in water, methanol, acetone.
Solubility	: Easily soluble in cold water, hot water, methanol, acetone.

Section 10. Stability and reactivity

Stability and reactivity	: The product is stable.
Incompatibility with various substances	: Reactive with oxidizing agents.
Hazardous polymerization	: Will not occur.

Section 11. Toxicological information

Toxicity data

Ingredient name	Test	Result	Route	Species
Sodium Tripolyphosphate	LD50	3120 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Oral	Mouse
	LD50	650 mg/kg	Oral	Rat
	LD50	>4640 mg/kg	Dermal	Rabbit
Eyes	: Moderately irritating to eyes.			
Skin	: Moderately irritating to the skin.			
Inhalation	: Moderately irritating to the respiratory system.			
Ingestion	: No known significant effects or critical hazards.			
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.			

Section 12. Ecological information

Products of degradation	: These products are phosphates. Some metallic oxides.
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Section 13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.
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Consult your local or regional authorities.

Section 14. Transport information

Classification

TDG/ IMDG/ IATA: Not regulated.

Label

Additional information

Section 15. Regulatory information

Canada

WHMIS (Canada) : Not controlled under WHMIS (Canada).
CEPA DSL: Sodium Tripolyphosphate

International regulations

International lists : All components listed are listed on major international inventories or exempted from being listed in Australia (AICS), Europe (EINECS/ELINCS), Korea (TCCL), Japan (METI/MOL), Philippines (RA6969).

Section 16. Other information

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

Health	0
Fire hazard	0
Reactivity	0
Personal protection	C

*** draft only ***

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

Health	0	Flammability	0
Instability	0	Special	

References

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 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 2002.

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Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.