

# Material Safety Data Sheet

Blancho

## Section 1. Chemical product and company identification

**Common name** : Blancho  
**Material uses** : Laundry cleaner.  
**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** : Solid. (Granular solid.)  
**Emergency overview** : DANGER!  
CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.  
CANCER HAZARD.  
CONTAINS MATERIAL WHICH CAN CAUSE CANCER.  
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:  
KIDNEYS, BLADDER, SKIN, STOMACH.  
MAY BE HARMFUL IF SWALLOWED.  
Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Risk of cancer depends on duration and level of exposure.

**Routes of entry** : Dermal contact. Eye contact.

### Potential acute health effects

**Eyes** : Corrosive to eyes.

**Skin** : Corrosive to the skin.

**Inhalation** : Corrosive to the respiratory system.

**Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Potential chronic health effects** : Carcinogenic effects: Classified 2B (Possible for humans.) by IARC [Nitriloacetic Acid Trisodium Salt Monohydrate]. Classified None. by NIOSH [Nitriloacetic Acid Trisodium Salt Monohydrate].

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 exposure to the substance can produce lung damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated or prolonged exposure to the substance can produce target organs damage.

See toxicological information (section 11)

## Section 3. Composition, Information on Ingredients

	CAS number	% by weight
<b>Canada</b>		
Sodium carbonate	497-19-8	30 - 40
Sodium chloride	7647-14-5	15 - 30
Disodium metasilicate	6834-92-0	15 - 30
Tergitol NP-33 (Non-ionic)	9016-45-9	7 - 10
Sodium Tripolyphosphate	7758-29-4	5 - 7
Glycine, n,n-bis(carboxymethyl)-, trisodium salt	5064-31-3	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 immediately.
- 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** : Not considered to be a product presenting a risk of explosion.
- 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, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

## Section 7. Handling and storage

- Handling** : Do not ingest. Do not get on skin or in eyes. Keep container closed. Use only with adequate ventilation. Do not breathe dust. 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 glasses.
- Respiratory** : Dust respirator. (In case of prolonged exposure.)
- Hands** : Natural rubber (latex).
- Skin/Body** : No special protective clothing is required.



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

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### Product name

### Canada

Sodium chloride

Sodium Tripolyphosphate

### Exposure limits

#### ACGIH (United States).

TWA: 10 mg/m<sup>3</sup> 8 hour/hours. Form: Inhalable fraction.

TWA: 3 mg/m<sup>3</sup> 8 hour/hours. Form: Respirable dust.

#### ACGIH TLV (Canada).

TWA: 5 mg/m<sup>3</sup> 8 hour/hours. Form: Dust

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

<b>Physical state</b>	: Solid. (Granular solid.)
<b>Color</b>	: White.
<b>Odor</b>	: Citrus.
<b>pH</b>	: 11.8 (Conc. (% w/w): 1) [Basic.]
<b>Melting/freezing point</b>	: Weighted average: 797.61°C (1467.7°F)
<b>Specific gravity</b>	: 1.1 (Water = 1)
<b>Vapor pressure</b>	: Weighted average: 0.08 kPa (0.6 mm Hg) (at 20°C)
<b>Ionicity (in water)</b>	: Amphoteric. (Sodium Tripolyphosphate).
<b>Dispersibility properties</b>	: See solubility in water.
<b>Solubility</b>	: Easily soluble in cold water, hot water.

## Section 10. Stability and reactivity

<b>Stability and reactivity</b>	: The product is stable.
<b>Incompatibility with various substances</b>	: Reactive with oxidizing materials and acids. Slightly reactive or incompatible with the following materials: metals.
<b>Hazardous decomposition products</b>	: These products are halogenated compounds, hydrogen chloride.
<b>Hazardous polymerization</b>	: Will not occur.

## Section 11. Toxicological information

### Toxicity data

<b>Ingredient name</b>	<b>Test</b>	<b>Result</b>	<b>Route</b>	<b>Species</b>
Sodium carbonate	LD50	4090 mg/kg	Oral	Rat
	LD50	6600 mg/kg	Oral	Mouse
Sodium chloride	LD50	3000 mg/kg	Oral	Rat
	LD50	4000 mg/kg	Oral	Mouse
	LD50	8000 mg/kg	Oral	Rabbit
	LC50	>2100 ml/m <sup>3</sup> (4 hour/hours)	Inhalation	Rat
Disodium metasilicate	LD50	1153 mg/kg	Oral	Rat
	LD50	770 mg/kg	Oral	Mouse
	LDLo	250 mg/kg	Oral	Dog
	LDLo	250 mg/kg	Oral	pig
Tergitol NP-33 (Non-ionic)	LD50	1310 mg/kg	Oral	Rat
Sodium Tripolyphosphate	LD50	3120 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Oral	Mouse
	LD50	6500 mg/kg	Oral	Rat
	LD50	>4640 mg/kg	Dermal	Rabbit
Glycine, n,n-bis(carboxymethyl)-, trisodium salt	LD50	1100 mg/kg	Oral	Rat
	LD50	681 mg/kg	Oral	Mouse

**Eyes** : Corrosive to eyes.

**Skin** : Corrosive to the skin.

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- Inhalation** : Corrosive to the respiratory system.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.
- Potential chronic health effects** : Carcinogenic effects: Classified 2B (Possible for humans.) by IARC [Nitriloacetic Acid Trisodium Salt Monohydrate]. Classified None. by NIOSH [Nitriloacetic Acid Trisodium Salt Monohydrate].  
Mutagenic effects: Not available.  
Teratogenic Effects: Not available.
- Target organs** : Contains material which causes damage to the following organs: kidneys, bladder, skin, stomach.

## Section 12. Ecological information

### Ecotoxicity data

Ingredient name	Species	Period	Result
Sodium carbonate	Lepomis macrochirus (LC50)	96 hour/hours	300 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	320 mg/l
	Pimephales promelas (LC50)	96 hour/hours	<850 mg/l
Sodium chloride	Daphnia magna (EC50)	48 hour/hours	402.6 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	6094 mg/l
	Pimephales promelas (LC50)	96 hour/hours	6390 mg/l
	Pimephales promelas (LC50)	96 hour/hours	7050 mg/l
	Pimephales promelas (LC50)	96 hour/hours	7100 mg/l
Tergitol NP-33 (Non-ionic)	Pimephales promelas (LC50)	96 hour/hours	7200 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	1.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	4.7 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	7.6 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	7.9 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	>10 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	>1000 mg/l

- Products of degradation** : These products are carbon oxides and water, nitrogen oxides, halogenated compounds, phosphates. Some metallic oxides.

## 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.

Consult your local or regional authorities.

## Section 14. Transport information

### Classification

TDG/ IMDG/ IATA : UN number	Proper shipping name	Class	Packing group
UN3262	CORROSIVE SOLID, BASIC, INORGANIC N.O.S. (Disodium metasilicate)	8	III

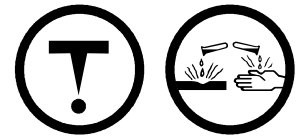
### Label

TDG



[Additional information](#)**Section 15. Regulatory information****Canada****WHMIS (Canada)**

- : Class D-2A: Material causing other toxic effects (Very toxic).  
Class E: Corrosive material



CEPA DSL: All components listed.

**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	*	3
Fire hazard		0
Reactivity		0
Personal protection		C

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

	0	Flammability
3	0	Instability
		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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**Notice to reader**

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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.