

Material Safety Data Sheet

Champion

Section 1. Chemical product and company identification

Common name : Champion
Material uses : Carpet destainer.
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 : Liquid.
Emergency overview : DANGER!
MAY BE FATAL IF INHALED.
CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:
BLOOD, KIDNEYS, LIVER, LYMPHATIC SYSTEM, RESPIRATORY TRACT, SKIN,
CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA.
Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist.
Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of entry : Dermal contact. Eye contact.

Potential acute health effects

Eyes : Corrosive to eyes.
Skin : Toxic in contact with skin. Corrosive to the skin.
Inhalation : Very toxic by inhalation. Corrosive to the respiratory system.
Ingestion : Toxic if swallowed. May cause burns to mouth, throat and stomach.

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 exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin 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
Canada		
Tergitol NP-33 (Non-ionic)	9016-45-9	7 - 10
2-Butoxyethanol	111-76-2	3 - 5
Disodium metasilicate	6834-92-0	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, 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** : Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Do not breathe 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** : Splash goggles.



- Respiratory** : Not required if handle in a ventilated enclosure.
- Hands** : Nitrile gloves.



- Skin/Body** : No special protective clothing is required.

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

Champion

Product name

Canada

2-Butoxyethanol

Exposure limits

ACGIH TLV (Canada, 1/2004).

TWA: 20 ppm 8 hour/hours. Form: All forms.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state	: Liquid.
Color	: Blue.
Odor	: Butyle.
pH	: 10 [Basic.]
Boiling/condensation point	: Weighted average: 104.31°C (219.8°F)
Melting/freezing point	: Weighted average: -4.63°C (23.7°F)
Critical temperature	: The lowest known value is 367.9°C (694.2°F) (2-Butoxyethanol).
Specific gravity	: 1.023 (Water = 1)
Vapor pressure	: The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).
Vapor density	: >1 (Air = 1)
Evaporation rate	: 0.072 (2-Butoxyethanol) compared with Butyl acetate.
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 materials, acids and alkalis.
Hazardous polymerization	: Will not occur.

Section 11. Toxicological information

Toxicity data

Ingredient name	Test	Result	Route	Species
Tergitol NP-33 (Non-ionic)	LD50	1310 mg/kg	Oral	Rat
	LD50	470 mg/kg	Oral	Rat
	LD50	300 mg/kg	Oral	Rabbit
	LD50	1200 mg/kg	Oral	Guinea pig
	LD50	220 mg/kg	Dermal	Rabbit
	LC50	450 ppm (4 hours)	Inhalation	Rat
Disodium metasilicate	LD50	1153 mg/kg	Oral	Rat
	LD50	770 mg/kg	Oral	Mouse
		250 mg/kg		Dog
		250 mg/kg		pig
Eyes	: Corrosive to eyes.			
Skin	: Toxic in contact with skin. Corrosive to the skin.			
Inhalation	: Very toxic by inhalation. Corrosive to the respiratory system.			
Ingestion	: Toxic if swallowed. May cause burns to mouth, throat and stomach.			
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: blood, kidneys, liver, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.			

Section 12. Ecological information

Ecotoxicity data

Ingredient name	Species	Period	Result
Tergitol NP-33 (Non-ionic)	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
2-Butoxyethanol	Lepomis macrochirus (LC50)	96 hour/hours	1490 mg/l

Products of degradation : These products are carbon oxides and water. 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
UN2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (2-Butoxyethanol, Disodium metasilicate)	6.1, (8)	II

Label

TDG



Additional information

Section 15. Regulatory information

Canada

WHMIS (Canada)

: Class D-1A: Material causing immediate and serious toxic effects (Very toxic).
Class E: Corrosive material



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.) :	Health	3	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.

Date of issue : 09/09/2005
Date of previous issue : 2003
Version : 2.1

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.