

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : STAR BRITE TEAK SEALER LIGHT
Product code : 879XX

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application : Consumer product. Wood maintenance.

1.3. Details of the supplier of the safety data sheet

Supplier : Star Brite
4041 SW 47th Avenue
33314 Fort Lauderdale, Florida, United States of America
Telephone : 001 800 3278583
Website : <http://www.starbrite.com>

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
US - Telephone : 001 703 5273887 (During office hours only)
EMERGENCY TELEPHONE NUMBER (for DOCTORS only):
CHEMTREC 001 703 5273887 (24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

HPR classification : Flammable liquid, category 3. Skin sensitization, category 1. Specific target organ toxicity after single exposure, category 3. Specific target organ toxicity — repeated exposure, category 1. Carcinogen, category 2. Reproductive toxicity, category 2.
Human health hazards : May cause drowsiness or dizziness. Suspected of causing cancer. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure. Repeated exposure may cause skin dryness or cracking. Suspected of damaging the unborn child.
Physical/chemical hazards : Flammable.

2.2. Label elements

Label elements (HPR)
Hazard pictograms :



Signal word : Danger

H- and P-phrases :

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H317	May cause an allergic skin reaction.
H372 cnervs	Causes damage to the central nervous system through prolonged or repeated exposure.
H361d	Suspected of damaging the unborn child.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260 vapour	Do not breathe vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see ... on this label).
P370+P378	In case of fire: Use carbondioxide, foam, dry chemical, water fog to extinguish.
P405	Store locked up.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed.
P501	Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 100 ml:

Hazard pictograms :



Signal word : Danger

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS
3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w%)	CAS nr.	Additional CAS nr.	
Stoddard solvent	60 - 80	8052-41-3	----	
N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	0,1 - 1	123-26-2	----	
2-butanone oxime	0,1 - 1	96-29-7	----	
Zirconium 2-ethylhexanoate	0,1 - 1	22464-99-9	----	
3-(3,4-dichlorophenyl)-1,1-dimethylurea	0,1 - 1	330-54-1	----	

Occupational exposure limit(s), if relevant, are listed in section 8. The actual concentration has been withheld as a trade secret.

SECTION 4 FIRST-AID MEASURES
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4.1. Description of first aid measures

First aid measures

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| Inhalation | : Move victim into fresh air. Consult a doctor if victim feels unwell. |
| Skin contact | : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs. |
| Eye contact | : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists. |
| Ingestion | : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor. |

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms

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| Inhalation | : May cause headache, drowsiness, dizziness and a feeling of sickness. |
| Skin contact | : Repeated exposure may cause skin dryness or cracking. May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin. |
| Eye contact | : May cause stinging of eyes and redness. |
| Ingestion | : May cause a feeling of sickness, vomiting and diarrhoea. |

4.3. Indication of any immediate medical attention and special treatment needed

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| Note to physicians | : None known. |
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SECTION 5 FIRE-FIGHTING MEASURES
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5.1. Extinguishing media

Extinguishing media

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| Suitable | : Carbondioxide (CO ₂). Foam. Dry chemical. Water fog. |
| Not suitable | : Water jet. |

5.2. Special hazards arising from the substance or mixture

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| Special exposure hazards | : Will float on water and can be reignited. The vapour is heavier than air, spreads along the ground and distant ignition is possible. |
| Hazardous thermal decomposition products | : Carbon monoxide may be evolved if incomplete combustion occurs. Hydrogen fluoride . . |

5.3. Advice for firefighters

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| Special protective equipment for fire-fighters | : Use adequate respiratory equipment in case of insufficient ventilation. |
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SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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| Personal precautions | : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation. |
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6.2. Environmental precautions

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| Environmental precautions | : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike. Waste product should not be allowed to contaminate soil or water. |
| Other information | : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. |

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE
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7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Protect from sunlight. Keep away from food, drink and animal feedings.

Recommended packaging : Keep only in the original container.

Non recommended packaging : PE and PP.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Province	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Stoddard solvent	NT	525	656	-	Occupational Health Regulation Chemicals and Biological Substances Guide-2 Table of exposure limits for chemical and biological substances Occupational Health and Safety Code 2009 GESTIS
Stoddard solvent	NU	575	720	-	
Stoddard solvent	NS	525	-	-	
Stoddard solvent	NL	525	-	-	
Stoddard solvent	NB	525	-	-	
Stoddard solvent	MB	525	-	-	
Stoddard solvent	YT	575	720	-	
Stoddard solvent	SK	525	656	-	
Stoddard solvent	BC	290	580	-	
Stoddard solvent	AB	572	-	-	
Stoddard solvent	QC	525	-	-	

Stoddard solvent	ON	525			GESTIS
Stoddard solvent	US	2900		Skin notation N	OSHA
3-(3,4-dichlorophenyl)-1,1-dimethylurea	SK	10	20		
3-(3,4-dichlorophenyl)-1,1-dimethylurea	PE	10			
3-(3,4-dichlorophenyl)-1,1-dimethylurea	NT	10	20		
3-(3,4-dichlorophenyl)-1,1-dimethylurea	NU	10	20		
3-(3,4-dichlorophenyl)-1,1-dimethylurea	NS	10			
3-(3,4-dichlorophenyl)-1,1-dimethylurea	NL	10			
3-(3,4-dichlorophenyl)-1,1-dimethylurea	NB	10			
3-(3,4-dichlorophenyl)-1,1-dimethylurea	MB	10			
3-(3,4-dichlorophenyl)-1,1-dimethylurea	BC	10			Table of exposure limits for chemical and biological substances
3-(3,4-dichlorophenyl)-1,1-dimethylurea	AB	10			Occupational Health and Safety Code 2009
3-(3,4-dichlorophenyl)-1,1-dimethylurea	QC	10			GESTIS
3-(3,4-dichlorophenyl)-1,1-dimethylurea	ON	10			GESTIS
3-(3,4-dichlorophenyl)-1,1-dimethylurea	US	10		Skin notation N	ACGIH

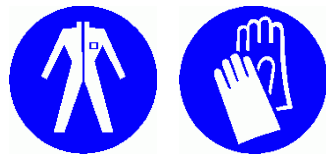
8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with CSA Z94.4.

Hand protection : Wear appropriate safety gloves. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : Liquid.

Colour	: Light brown.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: 46 °C	Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93)
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 207 °C	
Boiling point/boiling range	: 152 °C	
Melting point/melting range	: < 0 °C	
Explosive properties	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,7 (stoddard solvent)
	:	Upper explosion limit in air (%): 6,5 (stoddard solvent)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: 1075 mm ² /sec	(1 mm ² /sec = 1cSt)
Viscosity (40°C)	: 480 mm ² /sec	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 0,93 g/ml	
Evaporation rate	: < 1	(n-butyl acetate = 1)

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 35 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause damage to organs. May cause damage to organs. Central nervous system. Effect(s): Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
- Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Suspected of causing cancer.
- Mutagenicity : Not classified - based on available data, the classification criteria are not met.

Skin contact

- Acute toxicity : Calculated LD50: > 3163 mg/kg.bw. Ingredients of unknown toxicity: 35 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Slight irritation possible. Repeated exposure may cause skin dryness or cracking. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : May cause sensitisation by skin contact. May produce an allergic reaction.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.

Ingestion

- Acute toxicity : Calculated LD50: > 2004 mg/kg.bw. Ingredients of unknown toxicity: 35 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Highly viscous liquid. Not classified - based on available data, the classification criteria are not met. Contains a substance/substances with an aspiration hazard. After ingestion, at vomiting, risk of aspiration in the lungs.
- Chronic toxicity : Possibility of organ or organ system damage due to prolonged exposure. Target organ(s): Central nervous system. Effect: Repeated exposure affects the nervous system. May cause toxic encephalopathy.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Suspected of causing cancer.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Possible risk of harm to the unborn child. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	LD50 (oral) - estimate	> 2000 mg/kg bw		
	LC50 (inhalation) - estimate	> 5000 mg/m3		
2-butanone oxime	Genotoxicity - in vitro	Not genotoxic	----	----
	NOAEL (fertility, oral)	200 mg/kg bw/d		Rat
	NOAEL (development, oral)	200 mg/kg bw/d		Rat
	Mutagenicity	Not mutagenic	----	
	LD50 (oral)	2326 mg/kg bw	----	Rat
	LD50 (dermal)	1000 mg/kg bw		Rabbit
	LC50 (inhalation)	20000 mg/m3		Rat
	Skin sensitisation	Sensitizing.		Guinea pig
	Skin irritation	Moderately irritant		Rabbit
Eye irritation	Highly irritant		Rabbit	

NOAEL (inhalation)	1,02 mg/m ³		
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SECTION 12 ECOLOGICAL INFORMATION
12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Toxic to aquatic organisms. Calculated LC50 (fish): 14 mg/l. Calculated EC50 (waterflea): 13 mg/l.
Contains 35 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility. Floats on water.

12.6. Other adverse effects

Other information : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Stoddard solvent	IC50 (algae) - estimate	> 1 mg/l	----	----
	LC50 (fish) - estimate	> 10 mg/l	----	----
	EC50 (waterflea) - estimate	> 10 mg/l	----	----
3-(3,4-dichlorophenyl)-1,1-dimethylurea	Log P(ow)	5,2		
	LC50 (fish)	> 10 mg/l	OECD 203	Oncorhynchus mykiss
	EC50 (waterflea)	22,6 mg/l	OECD 202	Daphnia magna
	Ultimate aerobic biodegradation (%)	0 %	OECD 301 F	
	NOEC (waterflea) - chronic	0,56 mg/l.d	OECD 211	Daphnia magna
	NOEC (fish)	0,41 mg/l.d	OECD 204	Oncorhynchus mykiss
	BCF	5,2		

SECTION 13 DISPOSAL CONSIDERATIONS
13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

Waste water discharge : Do not dispose into the environment, in drains or in water courses.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION
14.1. UN number

UN nr. : UN 1268

14.2. UN proper shipping name

Transport name : PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.
 Transport name (IMDG, IATA) : PETROLEUM DISTILLATES, N.O.S.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

TDG (land)

Class : 3
 Classification code : F1
 Packaging group : III
 Danger label : 3 + the "environmentally hazardous substance" mark.



Other information : Not intended for carriage by tank-vessels on inland waterways. Packagings with a quantity of 5 l or less for liquids or 5 kg, or less for solids need not be marked with the environmentally hazardous substance mark.

IMDG (sea)

Class : 3
 Packaging group : III
 EmS (fire / spill) : F - E / S - E
 Marine pollutant : Yes
 Other information : Packagings with a quantity of 5 l or less for liquids or 5 kg, or less for solids need not be marked with the environmentally hazardous substance mark.

IATA (air)

Class : 3

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations : Hazardous Products Regulation 2015 and other regulations.
 : This product is exempted from classification as "May be fatal if swallowed and enters airways" on basis of subpart 10, paragraph 8.10.5(a) of Part 8 of the Hazardous Products Regulation.

Substances listed on Canadian Domestic Substances List (DSL)

: stoddard solvent ; N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) ; 2-butanone oxime ; Zirconium 2-ethylhexanoate ; 3-(3,4-dichlorophenyl)-1,1-dimethylurea

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with the Hazardous Products Regulation 2015 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ATE	: Acute Toxicity Estimate
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
DSL	: Domestic Substances List
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
HPA	: Hazardous Products Act
HPR	: Hazardous Products Regulations
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
OSHA	: United States Occupational Safety and Health Administration
PBT	: Persistent, Bioaccumulative and Toxic
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
TDG	: Transportation of Dangerous Goods
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative
WHMIS	: Workplace Hazardous Materials Information System
Number format	: "," used as decimal separator.

End of safety data sheet.