

1.4 Emergency telephone number

#### HSNO 2017 - New Zealand

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## **1.1 Product identifier**

Product name :	Hempel's Thinner 08451
Product identity :	0845100000
Product type :	thinner

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

Field of application :	puildings and metal industry. yacht, ships and shipyards.
Identified uses :	Consumer applications, Industrial applications, Professional applications.

#### 1.3 Details of the supplier of the safety data sheet

	-	
Company details :	Hempel (Wattyl) New Zealand Limited 2-14 Patiki Road	Emergency telephone number (with hours of operation)
	Avondale, Auckland 1026 Tel.: 09 820 6700 Email: sales.nz@hempel.com	Poisons Centre New Zealand: 0800 764 766 (24 hour)
Date of Preparation :	27 October 2024	
Date of previous issue	15 October 2021.	

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Product definition :

#### **GHS Classification**

AMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Mixture

#### 2.2 Label elements

Hazard pictograms :



Signal word : Hazard statements :

#### Danger

- F226 Flammable liquid and vapor.
  H302 + H312 Harmful if swallowed or in contact with skin.
  H315 Causes skin irritation.
  H318 Causes serious eye damage.
  H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements :

Prevention :

Response :

Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapor, mist or spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

F exposed or concerned: Get medical advice or attention. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.



# **SECTION 2: Hazards identification**

Storage :

Store locked up.

Disposal :

Spose of contents and container in accordance with all local, regional, national and international regulations.

## 2.3 Other hazards

Other hazards which do not result None known. in classification :

# **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

Product/ingredient name	Identifiers	%
Vene	1330-20-7	≥60 - ≤75
butan-1-ol	71-36-3	≥10 - <20
ethylbenzene	100-41-4	≥10 - ≤30
toluene	108-88-3	<1

Occupational exposure limits, if available, are listed in Section 8.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

# **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

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General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
	If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention/advice.
Inhalation :	Remove to fresh air and keep at rest in a position comfortable for breathing. Give nothing by mouth. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately.
Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
4.2 Most important symptom	s and effects, both acute and delayed
Potential acute health effects	
Eye contact :	Causes serious eye damage.
Inhalation :	Harmful if inhaled

Lye contact.	Causes sellous eye dallage.
Inhalation :	<mark>₩</mark> armful if inhaled.
Skin contact :	Harmful in contact with skin. Causes skin irritation.
Ingestion :	May be fatal if swallowed and enters airways.
Over-exposure signs/symptoms	
Eye contact :	Adverse symptoms may include the following: pain watering redness
Inhalation :	No specific data.
Skin contact :	Adverse symptoms may include the following: pain or irritation redness blistering may occur



## **SECTION 4: First aid measures**

Indection	
Ingestion	•

Adverse symptoms may include the following: stomach pains nausea or vomiting

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

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

# **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Extinguishing media :	Recommended: alcohol resistant foam, CO <sub>2</sub> , powders, water spray.
	Not to be used: waterjet.

## 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or	Mammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated,
mixture :	a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous combustion products :	Decomposition products may include the following materials: carbon oxides

## 5.3 Advice for firefighters

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. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact with the spilled material. Exclude sources of ignition and be aware of explosion hazard. Ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

## 6.2 Environmental precautions

Woid 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).

## 6.3 Methods and materials for containment and 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). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilled product.

## 6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## **SECTION 7: Handling and storage**

7.1 Precautions for safe handling



# **SECTION 7: Handling and storage**

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used.

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

#### 7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

## SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Product/ingredient name	Exposure limit values
<b>W</b> lene	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023). [xylene (o-, m-, p-isomers)] Ototoxicant. WES-TWA: 50 ppm 8 hours. WES-TWA: 217 mg/m <sup>3</sup> 8 hours.
butan-1-ol	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023). Absorbed through skin. WES-Ceiling: 50 ppm WES-Ceiling: 150 mg/m <sup>3</sup>
ethylbenzene	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023). Absorbed through skin. Ototoxicant. WES-STEL: 176 mg/m <sup>3</sup> 15 minutes. WES-STEL: 40 ppm 15 minutes. WES-TWA: 88 mg/m <sup>3</sup> 8 hours. WES-TWA: 20 ppm 8 hours.
toluene	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023). Absorbed through skin. Ototoxicant. WES-TWA: 20 ppm 8 hours. WES-TWA: 75 mg/m <sup>3</sup> 8 hours. WES-STEL: 377 mg/m <sup>3</sup> 15 minutes. WES-STEL: 100 ppm 15 minutes.

#### **Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### 8.2 Exposure controls

#### Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

## Individual protection measures

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.



Hygiene measures :

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.



## **SECTION 8: Exposure controls/personal protection**

Eye/face protection :	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. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Hand protection :	Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.
	Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:
	Recommended: Silver Shield / Barrier / 4H gloves, polyvinyl alcohol (PVA), Viton® May be used: nitrile rubber (>0.3 mm), neoprene rubber (>0.1 mm), butyl rubber (>0.5 mm) Short term exposure: natural rubber (latex) (>0.4 mm), polyvinyl chloride (PVC), nitrile rubber (>0.1 mm), butyl rubber (>0.3 mm)
Body protection :	Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product. Wear suitable protective clothing. Chemical-resistant apron.
Respiratory protection :	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If working areas have insufficient ventilation: When the product is applied by means that will not generate an aerosol such as, brush or roller wear half or totally covering mask equipped with gas filter of type A, when grinding use particle filter of type P. Be sure to use an approved/certified respirator or equivalent.

#### **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical state :	Liquid.
Odor :	Solvent-like
pH :	Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	-94.96°C This is based on data for the following ingredient: xylene
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 26°C (78.8°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
Lower and upper explosive (flammable) limits :	0.8 - 11.3 vol %
Vapor pressure :	0.893 kPa This is based on data for the following ingredient: xylene
Vapor density :	Testing not relevant or not possible due to nature of the product.
Relative density :	0.286 g/cm <sup>3</sup>
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Testing not relevant or not possible due to nature of the product.
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Kinematic (40°C): <7 mm²/s
Explosive properties :	Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
Oxidizing properties :	Testing not relevant or not possible due to nature of the product.
9.2 Other information	
Solvent(s) % by weight :	Weighted average: 100 %
Water % by weight :	Weighted average: 0 %
VOC content :	856.8 g/l



# **SECTION 9: Physical and chemical properties**

TOC Content :	₩eighted average: 732 g/l
Solvent Gas :	Weighted average: 0.211 m³/l

# **SECTION 10: Stability and reactivity**

## 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

## 10.2 Chemical stability

The product is stable.

## 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

## 10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## 10.5 Incompatible materials

Highly reactive or incompatible with the following materials: oxidizing materials. Reactive or incompatible with the following materials: reducing materials.

## 10.6 Hazardous decomposition products

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:

Decomposition products may include the following materials: carbon oxides

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.

Aspiration hazard if swallowed. Can enter lungs and cause damage.

Direct contact with the eyes can cause irreversible damage, including blindness.

## Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Mene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	6350 ppm	4 hours
	LD50 Dermal	Rabbit	>4200 mg/kg	-
	LD50 Oral	Rat	3523 mg/kg	-
butan-1-ol	LC50 Inhalation Vapor	Rat	24000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-
ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
-	LD50 Oral	Rat	3500 mg/kg	-
toluene	LC50 Inhalation Vapor	Rat	>20 mg/l	4 hours
	LD50 Oral	Rat	636 mg/kg	-

#### Acute toxicity estimates

Route	ATE value
Ofal	658.82 mg/kg
Dermal	1732.61 mg/kg
Inhalation (vapors)	77.87 mg/l

## Irritation/Corrosion



# **SECTION 11: Toxicological information**

Product/ingredient name	Result	Species	Score	Exposure
x lene	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams
	Skin - Irritant	Rabbit	-	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams
butan-1-ol	Eyes - Severe irritant	Rabbit	-	24 hours 2 milligrams
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams
ethylbenzene	Eyes - Mild irritant	Rabbit	-	-
-	Respiratory - Mild irritant	Rabbit	-	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams
toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100 mg
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg

# Specific target organ toxicity (single exposure)

Product/ingredient name		Category	Route of exposure	Target organs
putan-1-ol		Category 3	1-Butanol	Respiratory tract irritation

## Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
wiene	Category 2	-	-
ethylbenzene	Category 2	-	-
toluene	Category 2	-	-

#### Aspiration hazard

Product/ingredient name	Result
Not available.	

## Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

## Potential chronic health effects

No additional known significant effects or critical hazards.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Other information :

po not allow to enter drains or watercourses.

Product/ingredient name	Result	Species	Exposure
putan-1-ol	Acute EC50 1328 mg/l Acute LC50 1.376 mg/l		96 hours 96 hours
ethylbenzene toluene	Chronic NOEC <1000 µg/l Fresh water Chronic NOEC <500000 µg/l Fresh water Chronic NOEC 1000 µg/l Fresh water	-	96 hours 96 hours 21 days

## 12.2 Persistence and degradability

Product/ingredient name	Test		Result	Do	se	Inoculum
₩/lene	OECD 301F Ready Biodegradability - Manometric Respirometry Test	90 - 98 % - R	teadily - 28 days	-		-
butan-1-ol	- OECD 301D Ready Biodegradability - Closed Bottle Test	>60 % - Read 92 % - 20 day		-		-
ethylbenzene	-	>70 % - Read	dily - 28 days	-		-
toluene	-	100 % - Read	dily - 14 days	-		-
Product/ingredient name	Aquatic hal	f-life	Photolysis	i	Bi	odegradability
butan-1-ol ethylbenzene toluene	- - -		- - -		Readily Readily Readily Readily	

#### 12.3 Bioaccumulative potential



# **SECTION 12: Ecological information**

Product/ingredient name	LogPow	BCF	Potential
wiene	3.12	8.1 - 25.9	low
butan-1-ol	1	3.16	low
ethylbenzene	3.6	-	low
toluene	2.73	90	low

## 12.4 Mobility in soil

Soil/water partition coefficient	No known data avaliable in our database.
(K <sub>oc</sub> ) :	
Mobility :	No known data avaliable in our database.

## Other adverse effects

No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container.

## Packaging

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

## **SECTION 14: Transport information**

Transport may take place according to national regulation NZS for transport by road and train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*		Additional information
NZS Class	UN1263	PAINT RELATED MATERIAL	3	111	No.	Hazchem code ●3Y
IMDG Class	UN1263	PAINT RELATED MATERIAL	3	111	No.	Emergency schedules F-E, S-E
IATA Class	UN1263	PAINT RELATED MATERIAL	3	III	No.	-

PG\* : Packing group

Env.\* : Environmental hazards

## 14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 14.7 Transport in bulk according to IMO instruments

Not applicable.

## **SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material is classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

## **HSNO Classification**



# **SECTION 15: Regulatory information**

CAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Safety, health and environmental regulations specific for the product :

No known specific national and/or regional regulations applicable to this product (including its ingredients).

HSNO Group Standard :

HSR002669 HSNO Group Standard assinged are based upon the GHS Classification.

## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Classification	Justification
AMMABLE LIQUIDS - Category 3	On basis of test data
ACUTE TOXICITY (oral) - Category 4	Calculation method
ACUTE TOXICITY (dermal) - Category 4	Calculation method
SKIN IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method

#### 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.