

1 Identification

· Product identifier

· Trade Name: Tekton Gravel Guard

Article number: Tekton 38

- · Application of the substance / the mixture Anticorrosion additive
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Chemicar USA 670 New York Street Memphis, TN 38104 Tel: 1 (800) 261-7976 Fax: 1 (901) 274-8816

Email: Gino.Bauwens@chemicar.com

- · Information department: Product safety department.
- · Emergency telephone number: Tel: 1 (800) 424-9300

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02

Highly flammable liquid and vapor.



GHS08

May cause cancer.



GHS09

Toxic to aquatic life with long lasting effects.



GHS07

Causes skin irritation.

Causes serious eye irritation. May cause drowsiness or dizziness.

Toxic to aquatic life.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms









GHS02 GH

GHS07

GHS08

GHS09

· Signal word Danger

· Hazard-determining components of labeling:

Naphtha (petroleum), hydrotreated light Ethanol

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Ethyl acetate

Naphtha (petroleum), hydrotreated light

· Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2 Fire = 3 Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with additions.

CAS: 64742-49-0 EC number: 927-510-4	Naphtha (petroleum), hydrotreated light	10-<25%
CAS: 141-78-6 EINECS: 205-500-4	Ethyl acetate	10-<25%
CAS: 64742-49-0 EC number: 921-024-6	Naphtha (petroleum), hydrotreated light	5-<10%
CAS: 64742-49-0 EC number: 920-750-0	Naphtha (petroleum), hydrotreated light	5-<10%
CAS: 64742-95-6 EC number: 918-668-5	Solvent naphtha (petroleum), light arom.	3-<5%
CAS: 64-17-5 EINECS: 200-578-6	Ethanol	<1%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

US



Trade name: Tekton Gravel Guard

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4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

Sand. Do not use water.

CO2, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mount respiratory protective device.
- · Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
 Avoid contact with skin, eyes and clothes.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

45 mg/m³
1,000 mg/m³
1,200 ppm



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CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	1,000 mg/m
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	1,000 mg/m
CAS: 64-17-5	Ethanol	1,800 ppm
CAS: 14808-60-7	Quartz (SiO2)	0.075 mg/m
CAS: 71-36-3	butan-1-ol	60 ppm
CAS: 1185-55-3	trimethoxy(methyl)silane	38 mg/m³
CAS: 50-00-0	formaldehyde	0.90 ppm
PAC-2:		
CAS: 471-34-1	Calciumcarbonate	210 mg/m³
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	11,000 mg/m
CAS: 141-78-6	Ethyl acetate	1,700 ppm
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	11,000 mg/m
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	11,000 mg/m
CAS: 64-17-5	Ethanol	3300* ppm
CAS: 14808-60-7	Quartz (SiO2)	33 mg/m³
CAS: 71-36-3	butan-1-ol	800 ppm
CAS: 1185-55-3	trimethoxy(methyl)silane	410 mg/m³
CAS: 50-00-0	formaldehyde	14 ppm
PAC-3:		
CAS: 471-34-1	Calciumcarbonate	1,300 mg/m³
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	66,000 mg/m
CAS: 141-78-6	Ethyl acetate	10000** ppm
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	66,000 mg/m
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	66,000 mg/m
CAS: 64-17-5	Ethanol	15000* ppm
CAS: 14808-60-7	Quartz (SiO2)	200 mg/m³
CAS: 71-36-3	butan-1-ol	8000** ppm
CAS: 1185-55-3	trimethoxy(methyl)silane	2,500 mg/m³
CAS: 50-00-0	formaldehyde	56 ppm

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Use only in well ventilated areas.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

- · Conditions for safe storage, including any incompatibilities
- · Storage.
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.



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· Specific end use(s) No further relevant information available.

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8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

CAS: 141-78-6 Ethyl acetate

PEL Long-term value: 1400 mg/m³, 400 ppm REL Long-term value: 1400 mg/m³, 400 ppm TLV Long-term value: 1440 mg/m³, 400 ppm

CAS: 64-17-5 Ethanol

PEL Long-term value: 1900 mg/m³, 1000 ppm REL Long-term value: 1900 mg/m³, 1000 ppm TLV Short-term value: 1880 mg/m³, 1000 ppm

Regulatory information

PEL: Guide to Occupational Exposure Values (OSHA PELs) REL: Guide to Occupational Exposure Values (NIOSH RELs) TLV: Guide to Occupational Exposure Values (ACGIH)

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately. Avoid contact with the eyes and skin.

· Breathing equipment:



Filter A

· Protection of hands:



Protective gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Fluorocarbon rubber (Viton)

Recommended thickness of the material: ≥ 0.12 mm

· Penetration time of glove material

> 480 min.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

· Body protection: Use protective suit.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid Color: Grey

Odor: Characteristic
Odor threshold: Not determined.

· **pH-value:** Not determined.

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 77 °C

• Flash point: -5 °C (DIN 53213)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: >200 °C

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

• Danger of explosion: Product is not explosive. However, formation of explosive air/vapor

mixtures are possible.

· Explosion limits:

 Lower:
 0.6 Vol %

 Upper:
 10.5 Vol %

Vapor pressure at 20 °C:
Vapour pressure at 50 °C:
306 hPa

Density at 20 °C:
 Relative density
 Vapor density
 Not determined.
 Not determined.

Vapor density
 Evaporation rate
 Not determined

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic at 20 °C: 690 mPas Not **Kinematic:** determined.

· Solvent content:

Organic 52.8 % solvents: VOC 52.76 % content:

Solids content: 47.0 % (DIN 53216)

• Other information No further relevant information available.

· **VOC (EU):** 52.76 %





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· **VOC (EU):** 548.7 g/l

· **VOC (US):** 548.7 g/l / 4.58 lb/gal

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: Carbon monoxide

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50	values that	are relevant for classification:
ATE (Acu	te Toxicity I	Estimate)
Oral	LD50	>15,516 mg/kg
Dermal	LD50	>7,088 mg/kg
Inhalative	LC50/4 h	>73.7 mg/l (RAT)

	-	htha (petroleum), hydrotreated light
Oral	LD50	>5,840 mg/kg (RAT)
Dermal		>5,840 mg/kg (RAT) >2,920 mg/kg (RAT)
Inhalative	LC50/4 h	>23.3 mg/l (RAT)

Oral	LD50	>2,000 mg/kg (RABBIT)
Inhalative	LC50/4 h	1,600 mg/l (RAT)
	LC50/96 h	230 mg/l (pimephales promelas)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,840 mg/kg (RAT)
Dermal	LD50	>2,920 mg/kg (RABBIT)
Inhalative	LC50/4 h	>25.2 mg/l (RAT)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>5,000 mg/kg (RAT)
		>2,800 mg/kg (RABBIT)
Inhalative	LC 50	>23.3 mg/l (RAT)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

Orai	LD50	3,492 mg/kg (RAT)
Dermal	LD50	>3,160 mg/kg (RABBIT)
Inhalative	LC50/4 h	>6,193 mg/l (RAT)

CAS: 64-17-5 Ethanol

	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

Primary irritant effect:

· on the skin: Irritant to skin and mucous membranes.

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· on the eye:

Irritation to eyes possible after a long exposure time. Irritating effect.

- · Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

. Irritant

No further relevant information available.

· Carcinogenic categories

CAS: 9003-55-8	Benzene, ethenyl-, polymer with 1,3-butadiene		3
CAS: 64-17-5	Ethanol		1
CAS: 14808-60-7	Quartz (SiO2)		1
CAS: 1333-86-4	Carbon black		2E
CAS: 50-00-0	formaldehyde		1
NTP (National To	xicology Program)		
Quartz (SiO2)		K	<1%
formaldehyde K		<1%	
OSHA-Ca (Occur	pational Safety & Health Administration)		

12 Ecological information

· Toxicity

TOXICITY	
· Aquatic to	xicity:
CAS: 6474	2-49-0 Naphtha (petroleum), hydrotreated light
LL50/96 h	>13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EL50/48 h	3 mg/l (DAPHNIA MAGNA)
EL50/72 h	10-30 mg/l (SELENASTRUM CAPRICORNUTUM)
CAS: 141-7	78-6 Ethyl acetate
EC50/48 h	5,600 mg/l (ALGAE)
	610 mg/l (DAPHNIA MAGNA)
CAS: 6474	2-49-0 Naphtha (petroleum), hydrotreated light
LL50/96 h	11.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EC50/48 h	10 mg/l (PHAEOPHYTA)
EL50/48 h	3 mg/l (DAPHNIA MAGNA)
EL50/72 h	30-100 mg/l (SELENASTRUM CAPRICORNUTUM)
CAS: 6474	2-49-0 Naphtha (petroleum), hydrotreated light
LL50/96 h	>13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EL50/48 h	3 mg/l (DAPHNIA MAGNA)
EL50/72 h	10-30 mg/l (SELENASTRUM CAPRICORNUTUM)
CAS: 6474	2-95-6 Solvent naphtha (petroleum), light arom.
LL50/96 h	9.2 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EC50/48 h	7.4 mg/l (DAPHNIA MAGNA)
EL50/48 h	3.2 mg/l (DAPHNIA MAGNA)
EL50/72 h	2.9 mg/l (SELENASTRUM CAPRICORNUTUM)
Persistenc	e and degradability No further relevant information available.



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- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of as dangerous waste.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

14 Transport information

· UN-Numbe	r

· **DOT, ADR/RID/ADN, IMDG, IATA** UN1139

· UN proper shipping name

DOT

Coating solution

· ADR/RID/ADN 1139 Coating solution

1139 Coating solution, ENVIRONMENTALLY HAZARDOUS,

special provision 640D

· IMDG COATING SOLUTION (HEPTANES, Naphtha (petroleum),

hydrotreated light), MARINE POLLUTANT

· IATA COATING SOLUTION

- · Transport hazard class(es)
- · DOT



· Class 3 Flammable liquids

3

· Label

· ADR/RID/ADN, IMDG





Class 3 Flammable liquids

(Contd. on page 10)





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	(Contd. of pag
Label	3
IATA	
Class	3 Flammable liquids
Label	3
Packing group DOT, ADR/RID/ADN, IMDG, IATA	II
Environmental hazards:	Product contains environmentally hazardous substances Naphtha (petroleum), hydrotreated light
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADD/DID/ADA)	Symbol (fish and tree)
Special marking (ADR/RID/ADN):	<u> </u>
Special precautions for user	Warning: Flammable liquids
Danger code (Kemler): EMS Number:	33 5 5 5 5
EMS Number: Stowage Category	F-E, <u>S-E</u> B
Transport in bulk according to Annex	r II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Tansport classification ADR/IMGD is based on packaging >30ltr(IMDG), <450ltr(ADR).
	For other packaging untis different classification can apply.
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
ADD/DID/ADN	5 Jaigo anoian ony. Jo E
ADR/RID/ADN Excepted quantities (EQ)	Code: E2
= Acopica qualitico (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1139 COATING SOLUTION, SPECIAL PROVISION 640D,
-	3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

· Sara	
· Section 355 (extremely hazardous substances):	
formaldehyde	<1%
· Section 313 (Specific toxic chemical listings):	·
butan-1-ol	<1%
formaldehyde	<1%
	(Contd. on page

(Contd. on page 11)



Trade name: Tekton Gravel Guard

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· Proposition 65

· Chemicals known to cause cancer:	
Quartz (SiO2)	<1%
Carbon black	<1%
formaldehyde	<1%

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

Ethanol <1%

· Cancerogenity categories

butan-1-ol	D	<1%
formaldehyde	B1	<1%
TLV (Threshold Limit Value established by ACGIH)		•
Ethanol	A3	<19
Quartz (SiO2)	A2	<19
Carbon black	A4	<19
formaldehyde	A2	<19
NIOSH-Ca (National Institute for Occupational Safety a	nd Health)	
Quartz (SiO2)		<1%
Carbon black		<19
formaldehyde		<19

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms









GHS02

GHS07

GHS08

GHS09

· Signal word Danger

· Hazard-determining components of labeling:

Naphtha (petroleum), hydrotreated light

Ethanol

Ethyl acetate

Naphtha (petroleum), hydrotreated light

· Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection.

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P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Dispose of contents/container in accordance with local/regional/national/international P501

regulations.

· National regulations:

· Additional classification according to Decree on Hazardous

Materials: Carcinogenic hazardous material group III (dangerous).

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- · Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Product safety department.
- · Contact: gino.bauwens@chemicar.com
- · Date of preparation / last revision 09/27/2018 / 19
- · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 2: Flammable liquids - Category 2

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Carc. 1A: Carcinogenicity - Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard - Category 2 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

* * Data compared to the previous version altered.