



Printing date 08/09/2023

Safety Data Sheet

acc. to OSHA HCS

Reviewed on 08/09/2023

1 Identification

- **Product identifier:**
- **Trade name:** TOTALBOAT WET EDGE FLAG BLUE
- **Product code(s):** 365418, 365394
- **Details of the supplier of the safety data sheet**
- **Distributor:**
TOTALBOAT LLC
17 Peckham Drive
Bristol, RI 02809
(800) 497-0010
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC: 800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS08 Health hazard

Germ Cell Mutagenicity 1B

H340 May cause genetic defects.

Carcinogenicity 1A

H350 May cause cancer. Route of exposure: Inhalation.

Toxic to Reproduction 2

H361 Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

- **Label elements**

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

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Stoddard solvent

Naphtha Solvent

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cobalt bis(2-ethylhexanoate)

Solvent Naphtha (Petroleum), Light Aromatic

2-butanone oxime

· Hazard statements

Flammable liquid and vapor.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer. Route of exposure: Inhalation.

Suspected of damaging fertility or the unborn child.

Causes damage to the central nervous system through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

· Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

· 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 nonhazardous additions.

· Dangerous components:

64742-47-8	Naphtha Solvent	10-25%
8052-41-3	Stoddard solvent	10-25%
64742-95-6	Solvent Naphtha (Petroleum), Light Aromatic	≥2.5-<10%

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64-17-5	ethanol	$\geq 0.1 - \leq 2.5\%$
1333-86-4	Carbon black	$\geq 0.1 - \leq 2.5\%$
1330-20-7	Xylene	$\geq 0.1 - \leq 2.5\%$
96-29-7	2-butanone oxime	$\geq 0.1 - < 1\%$
100-41-4	ethylbenzene	$\geq 0.1 - \leq 2.5\%$
136-52-7	cobalt bis(2-ethylhexanoate)	$\geq 0.1 - \leq 2.5\%$

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If irritation occurs, get medical assistance.

- **After swallowing:** If symptoms persist consult doctor. Do not induce vomiting.

- **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:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

- **Advice for firefighters**

- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** 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 section 13.

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals
· PAC-1:

8052-41-3	Stoddard solvent	300 mg/m ³
64-17-5	ethanol	1,800 ppm
1333-86-4	Carbon black	9 mg/m ³
1330-20-7	Xylene	130 ppm
13463-67-7	titanium dioxide	30 mg/m ³
96-29-7	2-butanone oxime	30 ppm
100-41-4	ethylbenzene	33 ppm
64742-48-9	Hydrogen treated naphtha (Mineral spirits)	350 mg/m ³
109-60-4	propyl acetate	250 ppm
67-63-0	propan-2-ol	400 ppm
98-82-8	Cumene	50 ppm
95-63-6	1,2,4-Trimethylbenzene	140 ppm
111-76-2	2-butoxyethanol	60 ppm
14808-60-7	Silica, Crystalline	0.075 mg/m ³

· PAC-2:

8052-41-3	Stoddard solvent	1,800 mg/m ³
64-17-5	ethanol	3300* ppm
1333-86-4	Carbon black	99 mg/m ³
1330-20-7	Xylene	920* ppm
13463-67-7	titanium dioxide	330 mg/m ³
96-29-7	2-butanone oxime	56 ppm
100-41-4	ethylbenzene	1100* ppm
64742-48-9	Hydrogen treated naphtha (Mineral spirits)	1,800 mg/m ³
109-60-4	propyl acetate	1,300 ppm
67-63-0	propan-2-ol	2000* ppm
98-82-8	Cumene	300 ppm
95-63-6	1,2,4-Trimethylbenzene	360 ppm
111-76-2	2-butoxyethanol	120 ppm
14808-60-7	Silica, Crystalline	33 mg/m ³

· PAC-3:

8052-41-3	Stoddard solvent	29500** mg/m ³
64-17-5	ethanol	15000* ppm
1333-86-4	Carbon black	590 mg/m ³
1330-20-7	Xylene	2500* ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
96-29-7	2-butanone oxime	250 ppm
100-41-4	ethylbenzene	1800* ppm
64742-48-9	Hydrogen treated naphtha (Mineral spirits)	40,000 mg/m ³

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109-60-4	propyl acetate	8000* ppm
67-63-0	propan-2-ol	12000** ppm
98-82-8	Cumene	730 ppm
95-63-6	1,2,4-Trimethylbenzene	480 ppm
111-76-2	2-butoxyethanol	700 ppm
14808-60-7	Silica, Crystalline	200 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 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.

8052-41-3 Stoddard solvent

PEL	Long-term value: 2900 mg/m ³ , 500 ppm
REL	Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min
TLV	Long-term value: 100 ppm

64-17-5 ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1000 ppm A3

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1333-86-4 Carbon black

PEL	Long-term value: 3.5 mg/m ³
REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m ³ *inhalable fraction, A3

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm BEI, A4

96-29-7 2-butanone oxime

WEEL	Long-term value: 10 ppm DSEN
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100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm OTO, BEI, A3

136-52-7 cobalt bis(2-ethylhexanoate)

TLV	Long-term value: 0.02* mg/m ³ as Co, A3; *inhalable; DSEN; RSEN; BEI
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· Ingredients with biological limit values:
1330-20-7 Xylene

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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100-41-4 ethylbenzene

BEI	0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)
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· **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.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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.

· Penetration time of glove material

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

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Liquid
Color:	Blue
Odor:	Characteristic
Odor threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	175 °C (347 °F)

· Flash point: 40 °C (104 °F)

· Flammability (solid, gaseous): Flammable.

· Auto igniting: 230 °C (446 °F)

· Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

Lower:	1.1 Vol %
Upper:	6 Vol %

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· Vapor pressure at 20 °C (68 °F):	2 hPa (1.5 mm Hg)
· Density at 20 °C (68 °F):	0.942 g/cm ³ (7.86099 lbs/gal)
· Relative density	Not determined.
· Vapor density	Heavier than (Air)
· Evaporation rate	Slower than (n-Butyl Acetate)
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent content:	
· VOC content:	41.56 % 391.5 g/l / 3.27 lb/gal
· Other information	No further relevant information available.

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:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
64742-95-6 Solvent Naphtha (Petroleum), Light Aromatic		
Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
The product can cause inheritable damage.

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· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

64-17-5	ethanol	1
1333-86-4	Carbon black	2B
1330-20-7	Xylene	3
13463-67-7	titanium dioxide	2B
100-41-4	ethylbenzene	2B
136-52-7	cobalt bis(2-ethylhexanoate)	2B
67-63-0	propan-2-ol	3
98-82-8	Cumene	2B
111-76-2	2-butoxyethanol	3
14808-60-7	Silica, Crystalline	1

· **NTP (National Toxicology Program)**

98-82-8	Cumene	R
14808-60-7	Silica, Crystalline	K

· **OSHA-Ca (Occupational Safety & Health Administration)**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **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.

· **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.

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

14 Transport information

· **UN-Number**
 · **DOT, IMDG, IATA** UN1263

· **UN proper shipping name**
 · **DOT** Paint
 · **IMDG, IATA** PAINT

· **Transport hazard class(es)**
 · **DOT**



· **Class** 3 Flammable liquids
 · **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids
 · **Label** 3

· **Packing group**
 · **DOT, IMDG, IATA** III

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Flammable liquids

· **Hazard identification number (Kemler code):** 30

· **EMS Number:** F-E,S-E

· **Stowage Category** A

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations** On passenger aircraft/rail: 60 L
 On cargo aircraft only: 220 L

· **Remarks:** Flash Point – 100F or higher. D.O.T. label NOT required.
 173.150(f)1 May be reclassified as Combustible Liquid.

· **IMDG**
 · **Limited quantities (LQ)** 5L

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· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1263 PAINT, 3, III

15 Regulatory information

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

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

64742-47-8 Naphta Solvent

8052-41-3 Stoddard solvent

64-17-5 ethanol

1330-20-7 Xylene

96-29-7 2-butanone oxime

100-41-4 ethylbenzene

136-52-7 cobalt bis(2-ethylhexanoate)

109-60-4 propyl acetate

67-63-0 propan-2-ol

98-82-8 Cumene

95-63-6 1,2,4-Trimethylbenzene

111-76-2 2-butoxyethanol

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Hazardous Air Pollutants

1330-20-7 Xylene

100-41-4 ethylbenzene

136-52-7 cobalt bis(2-ethylhexanoate)

15956-58-8 Manganese Carboxylate

98-82-8 Cumene

· Proposition 65

· Chemicals known to cause cancer:

1333-86-4 Carbon black

13463-67-7 titanium dioxide

100-41-4 ethylbenzene

98-82-8 Cumene

14808-60-7 Silica, Crystalline

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

1330-20-7	Xylene	I
100-41-4	ethylbenzene	D
98-82-8	Cumene	D, CBD
95-63-6	1,2,4-Trimethylbenzene	II
111-76-2	2-butoxyethanol	NL

· **TLV (Threshold Limit Value)**

64-17-5	ethanol	A3
1333-86-4	Carbon black	A4
1330-20-7	Xylene	A4
13463-67-7	titanium dioxide	A4
100-41-4	ethylbenzene	A3
67-63-0	propan-2-ol	A4
111-76-2	2-butoxyethanol	A3
14808-60-7	Silica, Crystalline	A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4	Carbon black
13463-67-7	titanium dioxide
14808-60-7	Silica, Crystalline

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger· **Hazard-determining components of labeling:**

Stoddard solvent
 Naphta Solvent
 cobalt bis(2-ethylhexanoate)
 Solvent Naphta (Petroleum), Light Aromatic
 2-butanone oxime

· **Hazard statements**

Flammable liquid and vapor.
 May cause an allergic skin reaction.
 May cause genetic defects.
 May cause cancer. Route of exposure: Inhalation.
 Suspected of damaging fertility or the unborn child.
 Causes damage to the central nervous system through prolonged or repeated exposure.

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May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

· **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.

· **Date of preparation / last revision** 08/09/2023

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

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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
BEI: Biological Exposure Limit
Flammable Liquids 3: Flammable liquids – Category 3
Sensitization - Skin 1: Skin sensitisation – Category 1
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1A: Carcinogenicity – Category 1A
Toxic to Reproduction 2: Reproductive toxicity – Category 2
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1
Aspiration Hazard 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

US