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

1.1 Product Identifier: 10% Formalin
145200, 145300, 145400, 145420, 145700, 145800, 145900, 1460, 146200, 146300, 146400, 148900, 148910, 148926, 148980, 148998, 149910, 151000

1.2 Relevant identified uses of the substance or mixture and uses advised against: laboratory chemical (in vitro diagnostic)

1.3 Details of the supplier of the Safety Data Sheet:
Apacor Limited, Unit 5 Sapphire Centre, Fishponds Road, Wokingham, Berkshire, RG41 2QL, England
+44 (0) 118 979 5566
technical@apacor.com

1.4 Emergency telephone number:
+44 (0)118 979 5566
(Monday-Friday 0900-1700 excluding UK Public Holidays)

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]:
Acute toxicity, Oral (Category 4), H302
Skin sensitisation (Category 1), H317
Acute toxicity, Inhalation (Category 4), H332
Germ cell mutagenicity (Category 2), H341
Carcinogenicity (Category 1B), H350
See Section 16 for the full text of H-Statements mentioned in this Section.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP]

Pictogram
Signal word Danger

Hazard statement(s)
H302 Harmful if swallowed
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H341 Suspected of causing genetic defects
H350 May cause cancer
Contains Formaldehyde.

Precautionary statements:
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

See Section 16 for the full text of H-Statements mentioned in this Section.

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
Hazardous ingredients according to Regulation (EC) No 1272/2008
Component: Formaldehyde
CAS No: 50-00-0
EC No: 200-001-8
Index No: 605-001-00-5
Classification: Acute Tox. 3 (H301 + H311 + H331), Skin Corr. 1B (H314), Skin Sens. 1 (H317), Muta. 2 (H341), Carc. 1B (H350)
Concentration: < 5%
Component: Methanol
CAS No: 67-56-1
EC No: 200-659-6
Index No: 603-001-00-x
Registration No: 01-2119433307-44-xxxx
Classification: Flam. Liq. 2 (H225); Acute Tox. 3 (H301 + H311 + H331); STOT SE 1 H370
Concentration: < 1%
See Section 16 for the full text of H-Statements mentioned in this Section.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (Section 2.2) and/or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus and full protective gear.
SECTION 6 ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see Section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and material for containment and cleaning up
Contain spillage, and then collect and place in container for disposal according to local regulations (see Section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal, see Section 13.

SECTION 7 HANDLING AND STORAGE
7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition—no smoking. Take measures to prevent the build-up of electrostatic charge. For precautions see Section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)
No other specific uses are specified apart from those listed in Section 1.2.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Exposure limits: this product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th></th>
<th>Formaldehyde 50-00-0</th>
<th>Methanol 67-56-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>STEL: 0.5 ppm</td>
<td>STEL: 800 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.5 ppm</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.6 mg/m³</td>
<td>STEL: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.6 mg/m³</td>
<td>TWA: 1040 mg/m³</td>
</tr>
<tr>
<td>Belgium</td>
<td>STEL: 0.3 ppm</td>
<td>STEL: 250 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.38 mg/m³</td>
<td>STEL: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.3 ppm</td>
<td>TWA: 2500 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.3 mg/m³</td>
<td>TWA: 266 mg/m³</td>
</tr>
<tr>
<td>Denmark</td>
<td>STEL: 0.3 ppm</td>
<td>STEL: 400 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.3 ppm</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.4 mg/m³</td>
<td>STEL: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.4 mg/m³</td>
<td>TWA: 250 mg/m³</td>
</tr>
<tr>
<td>France</td>
<td>TWA: 0.5 ppm</td>
<td>STEL: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 1 ppm</td>
<td>STEL: 260 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
<td>TWA: 2000 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 260 mg/m³</td>
<td>TWA: 270 mg/m³</td>
</tr>
<tr>
<td>Germany</td>
<td>STEL: 0.6 ppm</td>
<td>STEL: 800 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 0.74 mg/m³</td>
<td>STEL: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.3 ppm</td>
<td>TWA: 2000 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.37 mg/m³</td>
<td>TWA: 270 mg/m³</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protective equipment
(a) Eye/face protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

(b) Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

(c) Body Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

(d) Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.2.3 Environmental exposure controls
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties
a) Appearance Form: liquid
b) Odour no data available
c) Odour threshold no data available
d) pH no data available
e) Melting point / freezing point no data available
f) Initial boiling point and boiling range 100°C at 1.013 hPa
g) Flash point 85°C
h) Evaporation rate no data available
i) Flammability (solid, gas) no data available
j) Upper/lower flammability or explosive limits
   Upper 70% (V), Lower 7% (V)
k) Vapour pressure 53hPa at 39°C
l) Vapour density no data available
m) Relative density 1.080g/cm³
n) Solubility (ies) completely miscible
o) Partition coefficient: n-octanol/water no data available
p) Auto-ignition temperature no data available
q) Decomposition temperature no data available
r) Viscosity no data available
s) Explosive properties no data available
t) Oxidising properties no data available
9.2 Other information
No data available.

SECTION 10 STABILITY AND REACTIVITY
10.1 Reactivity
No data available.
10.2 Chemical stability
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
No data available.
10.4 Conditions to avoid
Heat, flames and sparks.
10.5 Incompatible materials
No materials to be mentioned in particular.
10.6 Hazardous decomposition products
Carbon oxides.

SECTION 11 TOXICOLOGICAL INFORMATION
11.1 Information of toxicological effects
Acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available
Carcinogenicity: IARC: 1 - Group 1: Carcinogenic to humans (Formaldehyde)
Reproductive toxicity: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 oral 600mg/kg (Rat)</th>
<th>LD50 dermal 270mg/kg (Rabbit)</th>
<th>LC50 inhalation 0.578mg/L (Rat) 4h</th>
<th>LC50 inhalation - rat - 4h – 83.2mg/l/4h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12 ECOLOGICAL INFORMATION
12.1 Toxicity
Ecotoxicity effects: contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

<table>
<thead>
<tr>
<th>Toxicity to Fish</th>
<th>Formaldehyde</th>
<th>Methanol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.032 - 0.226: 96 h Oncorhynchus mykiss mL/L LC50 flow-through 100- 136: 96 h Oncorhynchus mykiss mg/L LC50 static 1510: 96 h Lepomis macrochirus μg/L LC50 static 22.6 - 25.7: 96 h Pimephales promelas mg/L LC50 flow-through 23.2 - 29.7: 96 h Pimephales promelas mg/L LC50 static 41: 96 h Brachydanio rerio mg/L LC50 static</td>
<td>LC50 - Pimephales promelas – 28200mg / L 96h</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to Daphnia and other Aquatic Invertebrates</td>
<td>Formaldehyde</td>
<td>Methanol</td>
</tr>
<tr>
<td></td>
<td>11.3 - 18: 48 h Daphnia magna mg/L EC50 Static</td>
<td>EC50 - Daphnia magna - &gt;10000mg/l</td>
</tr>
<tr>
<td></td>
<td>2: 48 h Daphnia magna mg/L LC50</td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
No data available.
12.3 Bioaccumulative potential
No data available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>0.35</td>
</tr>
<tr>
<td>Methanol</td>
<td>-0.77</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil
No data available.
12.5 Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects
No data available.
12.7 Additional information
None.

SECTION 13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods
Product: Dispose of in accordance with all federal, state, and local regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.
SECTION 14 TRANSPORT INFORMATION
IATA/DOT/ICAO: not regulated
14.1 UN number: -
14.2 UN proper shipping name Not dangerous goods
14.3 Transport hazard class(es): -
14.4 Packing group: -
14.5 Environmental hazards: No
14.6 Special precautions for user: no data available
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not intended to be transported in bulk.

SECTION 15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.
15.2 Chemical Safety Assessment
No chemical safety assessment has been carried out for this product.

SECTION 16 OTHER INFORMATION
Full text of H-Statements referred to in Sections 2 and 3
H225 Highly flammable liquid and vapour.
H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H370 Causes damage to organs.
Acute Tox. Acute toxicity
Carc. Carcinogenicity
Flam. Liq. Flammable liquids
Muta. Germ cell mutagenicity.
Skin Corr. Skin corrosion
Skin Sens. Skin sensitisation
STOT SE Specific target organ toxicity - single exposure

The information supplied in this SDS is correct to the best of our knowledge. We do not accept any liability for loss, injury or damage, which may result from its use.
SECTION 1 IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier: 1472, 172018
TRITON X Solution
Used at concentration of <0.1% in: 145300, 145400, 145420, 145500, 145501, 145650, 145800, 145900, 146300, 146400, 146500, 146501, 146650, 148900, 148910, 148920, 148926, 148960, 148965, 148980, 148998, 149910, 149920, 149960, 151000, 153000, 248300, 249400, 249420, 249425

1.2 Relevant identified uses of the substance or mixture and uses advised against: for laboratory use (in vitro diagnostic).

1.3 Details of the supplier of the Safety Data Sheet:
Apacor Limited, Unit 5 Sapphire Centre, Fishponds Road, Wokingham, Berkshire, RG41 2QL, England
+44 (0) 118 979 5566
technical@apacor.com

1.4 Emergency telephone number:
+44 (0)118 979 5566
(Monday-Friday 0900-1700 excluding UK Public Holidays)

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]:
Serious eye damage (Category1), H318
See Section 16 for the full text of H-Statements mentioned in this Section.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP]
Pictogram
Signal word Danger
Hazard statement(s)
H318 Causes serious eye damage
Precautionary statements:
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
See Section 16 for the full text of H-Statements mentioned in this Section.

2.3 Other hazards
None known.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
Hazardous ingredients according to Regulation (EC) No 1272/2008
Component: Triton X-100 (concentration 10–20%) (included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No 1907/2006 (REACH))
CAS No: 9002-93-1
EC No: -
A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
Classification: Acute Tox. 4 (H302); Serious Eye Dam. 1 (H318)
Concentration: 5–10%
See Section 16 for the full text of H-Statements mentioned in this Section.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of eye contact: rinse out with plenty of water. Immediately consult an ophthalmologist.

If swallowed: immediately make victim drink water (2 glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
Irritation and corrosion. Risk of serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Use water spray, foam, dry chemical or carbon dioxide. (Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.)
Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Not combustible. Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.
SECTION 6 ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
Advice for emergency responders: Protective equipment see Section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal, see Section 13.

SECTION 7 HANDLING AND STORAGE
7.1 Precautions for safe handling
Avoid inhalation of vapour or mist. For precautions see Section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Tightly closed. Recommended storage temperature see product label.

7.3 Specific end use(s)
No other specific uses are specified apart from those listed in Section 1.2.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protective equipment
(a) Eye/face protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
(b) Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
(c) Body Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
(d) Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.2.3 Environmental exposure controls
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties
a) Appearance Form: clear, liquid; Colour: light yellow
b) Odour no data available
c) Odour threshold no data available
d) pH 9.7
e) Melting point / freezing point approx. 6°C
f) Initial boiling point and boiling range 200°C
g) Flash point 251°C
h) Evaporation rate no data available
i) Flammability (solid, gas) no data available
j) Upper/lower flammability or explosive limits no data available
k) Vapour pressure <1 hPa at 25°C
l) Vapour density no data available
m) Relative density 1.070 g/cm³
n) Solubility (ies) Soluble in water
o) Partition coefficient: n-octanol/water no data available
p) Auto-ignition temperature no data available
q) Decomposition temperature no data available
r) Viscosity no data available
s) Explosive properties no data available
t) Oxidising properties no data available

9.2 Other information no data available

SECTION 10 STABILITY AND REACTIVITY
10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
No data available.
10.5 Incompatible materials

10.6 Hazardous decomposition products
Other decomposition products—no data available. In the event of fire: see Section 5.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects
Acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available
Carcinogenicity: IARC: no component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available

Additional information: RTECS: not available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11.2 Further information
Triton X-100
Acute oral toxicity: LD50 Rat: 1,800 mg/kg (RTECS)
Germ cell mutagenicity: Genotoxicity in vitro Mutagenicity (mammal cell test): Mouse lymphoma test Result: negative

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity
No data available.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects
Discharge into the environment must be avoided.
Components: Triton X-100
Toxicity to fish
LC50 Lepomis macrochirus: 2,800 - 3,200 μg/l; 96 h
Toxicity to daphnia and other aquatic invertebrates
LC50 Daphnia magna: 11.2 mg/l; 48 h

12.7 Additional information
No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

SECTION 14 TRANSPORT INFORMATION

ICAO/IATA/DOT: not regulated
14.1 UN number: -
14.2 UN proper shipping name Not dangerous goods
14.3 Transport hazard class(es): -
14.4 Packing group: -
14.5 Environmental hazards: No
14.6 Special precautions for user: no data available
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not intended to be transported in bulk.

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Substances of very high concern (SVHC): This product does contain substances of very high concern above the respective regulatory limit (>0.1% w/w), Regulation (EC) No 1907/2006 (REACH), Article 57).
Contains: Triton X-100.

15.2 Chemical Safety Assessment
No chemical safety assessment has been carried out for this product.

SECTION 16 OTHER INFORMATION

Full text of H-Statements referred to in Sections 2 and 3
H302 Harmful if swallowed
H318 Causes serious eye damage
Acute Tox. Acute Toxicity
Serious Eye Dam. Serious Eye Damage
The information supplied in this SDS is correct to the best of our knowledge. We do not accept any liability for loss, injury or damage, which may result from its use.