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

1.1 Product identifiers
Product name: Formaldehyde solution
Product Number: 252549
Brand: Sigma-Aldrich
REACH No.: This product is a mixture. REACH Registration Number see section 3.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet
Company: Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO  63103
UNITED STATES

Telephone: +1 314 771-5765
Fax: +1 800 325-5052

1.4 Emergency telephone
Emergency Phone #: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Flammable liquids (Category 3), H226
Acute toxicity, Oral (Category 3), H301
Acute toxicity, Inhalation (Category 2), H330
Acute toxicity, Dermal (Category 3), H311
Skin corrosion (Sub-category 1B), H314
Serious eye damage (Category 1), H318
Skin sensitization (Category 1), H317
Germ cell mutagenicity (Category 2), H341
Carcinogenicity (Category 1B), H350
Specific target organ toxicity - single exposure (Category 1), Eyes, Central nervous system, H370
The life science business of Merck operates as MilliporeSigma in the US and Canada.

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal word
Danger

Hazard statement(s)
H226 Flammable liquid and vapor.
H301 + H311 Toxic if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H370 Causes damage to organs (Eyes, Central nervous system).

Precautionary statement(s)
P201 Obtain special instructions before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements
none

Restricted to professional users.

Reduced Labeling (<= 125 ml)

Pictogram

Signal word
Danger

Hazard statement(s)
H330 Fatal if inhaled.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H370 Causes damage to organs.
H314 Causes severe skin burns and eye damage.
H301 + H311 Toxic if swallowed or in contact with skin.

Precautionary statement(s)
P201 Obtain special instructions before use.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
**P303 + P361 + P353**  
**Protection/ hearing protection.**  
**IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.**

**P304 + P340 + P310**  
**IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.**

**P305 + P351 + P338**  
**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

Supplemental Hazard Statements  
none

### 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

**Synonyms:** Formalin

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>formaldehyde</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No.</td>
<td>50-00-0</td>
<td>Acute Tox. 3; Acute Tox. 2; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 1B; STOT SE 3; H301, H330, H311, H314, H318, H317, H341, H350, H335</td>
</tr>
<tr>
<td>EC-No.</td>
<td>200-001-8</td>
<td></td>
</tr>
<tr>
<td>Index-No.</td>
<td>605-001-00-5</td>
<td></td>
</tr>
<tr>
<td>Registration number</td>
<td>01-2119488953-20-XXXX</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;= 30 - &lt; 50 %</td>
<td></td>
</tr>
</tbody>
</table>

| **Methanol** | | |
| CAS-No. | 67-56-1 | Flam. Liq. 2; Acute Tox. 3; STOT SE 1; H225, H301, H331, H311, H370 |
| EC-No. | 200-659-6 |
| Index-No. | 603-001-00-X |
| Registration number | 01-2119433307-44-XXXX |
| | >= 10 - < 20 % |

| **formaldehyde** | | |
| CAS-No. | 50-00-0 | Acute Tox. 3; Acute Tox. 2; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. |
| EC-No. | 200-001-8 |
| Index-No. | 605-001-00-5 |
| Registration number | 01-2119488953-20-XXXX |
| | >= 30 - < 50 % |
**SECTION 4: First aid measures**

**4.1 Description of first-aid measures**

**General advice**
First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

**If inhaled**
After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

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

**In case of eye contact**
After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

**If swallowed**
After swallowing: fresh air. Make victim drink ethanol (e.g. 1 drinking glass of a 40% alcoholic beverage). Call a doctor immediately (mention methanol ingestion). Only in exceptional cases, if no medical care is available within one hour, induce vomiting (only in fully conscious persons) and make victim drink ethanol again (approx. 0.3 ml of a 40% alcoholic beverage/kg body weight/hour). Do not attempt to neutralise.

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

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

---

**Methanol**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>Registration number</th>
<th>Flam. Liq.</th>
<th>Acute Tox.</th>
<th>STOT SE</th>
<th>H225</th>
<th>H301</th>
<th>H331</th>
<th>H311</th>
<th>H370</th>
<th>&gt;= 10 - &lt; 20 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200-659-6</td>
<td>603-001-00-X</td>
<td>01-211943307-44-xxxx</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.
SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
- Water
- Foam
- Carbon dioxide (CO2)
- Dry powder

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides
- Combustible.
- Vapors are heavier than air and may spread along floors.
- Forms explosive mixtures with air at elevated temperatures.
- Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Remove container from danger zone and cool with water. 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 vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains. Risk of explosion.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
- Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion
- Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures
- Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up or in an area accessible only to qualified or authorized persons.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

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 have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0,4 mm
Break through time: 480 min
Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0,2 mm
Break through time: 60 min
Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body Protection
Flame retardant antistatic protective clothing.

Respiratory protection
required when vapours/aerosols are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Recommended Filter type: Filter type ABEK
The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure
Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

a) Appearance Form: liquid, clear
   Color: colorless
b) Odor pungent
c) Odor 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
g) Flash point 56 °C - closed cup
h) Evaporation rate 1
i) Flammability (solid, gas) No data available
j) Upper/lower flammability or explosive limits Upper explosion limit: 70 %(V)
   Lower explosion limit: 7 %(V)
k) Vapor pressure 53 hPa at 39 °C
l) Vapor density 1,04 - (Air = 1.0)
m) Density 1,09 g/cm³ at 25 °C - lit.
   Relative density No data available
n) Water solubility completely soluble at 20 °C soluble
o) Partition coefficient: n-octanol/water log Pow: 0,35
p) Autoignition temperature No data available
q) Decomposition temperature No data available
r) Viscosity  
Viscosity, kinematic: No data available  
Viscosity, dynamic: No data available

s) Explosive properties  
No data available

t) Oxidizing properties  
No data available

9.2 Other safety information

Relative vapor density  
1,04 - (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Reactivity
Vapor/air-mixtures are explosive at intense warming.

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature).
Contains the following stabilizer(s):  
Methanol (>=10 - <1512 %)

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Heating.

10.5 Incompatible materials
Strong oxidizing agents, Aniline, Phenol, Isocyanates, Acid anhydrides, Strong acids,  
Strong bases, Amines, Peroxides, Acid chlorides, Alkali metals, Reducing agents

10.6 Hazardous decomposition products
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Mixture

Acute toxicity
Oral: No data available
Acute toxicity estimate Oral - 204,13 mg/kg  
(Calculation method)
Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of  
perforation of the esophagus and the stomach.
Acute toxicity estimate Inhalation - 4 h - 1,31 mg/l  
(Calculation method)
Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:; damage of  
respiratory tract
Acute toxicity estimate Dermal - 564,9 mg/kg  
(Calculation method)

Skin corrosion/irritation
No data available

Mixture causes burns.
Serious eye damage/eye irritation
No data available
Mixture causes serious eye damage. Risk of blindness!

Respiratory or skin sensitization
May cause sensitization by skin contact.
Mixture may cause an allergic skin reaction.

Germ cell mutagenicity
No data available
Evidence of genetic defects.

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
Remarks: No data available
Mixture causes damage to organs. - Eyes, Central nervous system
Mixture may cause respiratory irritation.

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Additional Information
Warning: contains methanol. May be fatal or cause blindness if swallowed. Cannot be made
nonpoisonous., To the best of our knowledge, the chemical, physical, and toxicological
properties have not been thoroughly investigated.
Other dangerous properties can not be excluded.

This substance should be handled with particular care.

Handle in accordance with good industrial hygiene and safety practice.

Components
formaldehyde

Acute toxicity
LD50 Oral - Rat - 100 mg/kg
Remarks: (Lit.)
LC50 Inhalation - Rat - male and female - 4 h - < 0,57 mg/l
(OECD Test Guideline 403)
LD50 Dermal - Rabbit - 270 mg/kg
Remarks: (RTECS)

Skin corrosion/irritation
Skin - Rabbit
Result: Causes burns. - 20 h
(OECD Test Guideline 404)

Serious eye damage/eye irritation
Causes serious eye damage.
**Respiratory or skin sensitization**  
Local lymph node assay (LLNA) - Mouse  
Result: positive  
(OECD Test Guideline 429)

**Germ cell mutagenicity**  
Suspected of causing genetic defects.

**Carcinogenicity**  
Presumed to have carcinogenic potential for humans

**Reproductive toxicity**  
No data available

**Specific target organ toxicity - single exposure**  
May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**  
No data available

**Aspiration hazard**  
No data available

---

**Methanol**

**Acute toxicity**  
Acute toxicity estimate Oral - 100,1 mg/kg  
(Expert judgment)  
Symptoms: Nausea, Vomiting  
Acute toxicity estimate Inhalation - 4 h - 3,1 mg/l  
(Expert judgment)  
Symptoms: Irritation symptoms in the respiratory tract.  
Acute toxicity estimate Dermal - 300,1 mg/kg  
(Expert judgment)

**Skin corrosion/irritation**  
Skin - Rabbit  
Result: No skin irritation  
Remarks: (ECHA)  
Drying-out effect resulting in rough and chapped skin.

**Serious eye damage/eye irritation**  
Eyes - Rabbit  
Result: No eye irritation  
Remarks: (ECHA)

**Respiratory or skin sensitization**  
Sensitisation test: - Guinea pig  
Result: negative  
(OECD Test Guideline 406)

**Germ cell mutagenicity**  
Based on available data the classification criteria are not met.
Test Type: Ames test
Test system: Salmonella typhimurium
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Test system: Chinese hamster lung cells
Result: negative
Method: OECD Test Guideline 474
Species: Mouse - male and female - Bone marrow
Result: negative

**Carcinogenicity**
Did not show carcinogenic effects in animal experiments.

**Reproductive toxicity**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**
Causes damage to organs.
- Eyes, Central nervous system
Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Acute oral toxicity - Nausea, Vomiting
Acute inhalation toxicity - Irritation symptoms in the respiratory tract.

**Specific target organ toxicity - repeated exposure**
No data available

**Aspiration hazard**
No data available

---

**formaldehyde**

**Acute toxicity**
LD50 Oral - Rat - 100 mg/kg
Remarks: (Lit.)
LC50 Inhalation - Rat - male and female - 4 h - < 0,57 mg/l
(OECD Test Guideline 403)
LD50 Dermal - Rabbit - 270 mg/kg
Remarks: (RTECS)

**Skin corrosion/irritation**
Skin - Rabbit
Result: Causes burns. - 20 h
(OECD Test Guideline 404)

**Serious eye damage/eye irritation**
Causes serious eye damage.

**Respiratory or skin sensitization**
Local lymph node assay (LLNA) - Mouse
Result: positive
(OECD Test Guideline 429)

**Germ cell mutagenicity**
Suspected of causing genetic defects.

**Carcinogenicity**
Presumed to have carcinogenic potential for humans
Reproductive toxicity
No data available

**Specific target organ toxicity - single exposure**
May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**
No data available

**Aspiration hazard**
No data available

---

**Methanol**

**Acute toxicity**
Acute toxicity estimate Oral - 100,1 mg/kg
(Expert judgment)
Symptoms: Nausea, Vomiting
Acute toxicity estimate Inhalation - 4 h - 3,1 mg/l
(Expert judgment)
Symptoms: Irritation symptoms in the respiratory tract.
Acute toxicity estimate Dermal - 300,1 mg/kg
(Expert judgment)

**Skin corrosion/irritation**
Skin - Rabbit
Result: No skin irritation
Remarks: (ECHA)
Drying-out effect resulting in rough and chapped skin.

**Serious eye damage/eye irritation**
Eyes - Rabbit
Result: No eye irritation
Remarks: (ECHA)

**Respiratory or skin sensitization**
Sensitisation test: - Guinea pig
Result: negative
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Based on available data the classification criteria are not met.
Test Type: Ames test
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Result: negative
Test Type: In vitro mammalian cell gene mutation test
Test system: Chinese hamster lung cells
Result: negative
Method: OECD Test Guideline 474
Species: Mouse - male and female - Bone marrow
Result: negative

**Carcinogenicity**
Did not show carcinogenic effects in animal experiments.

**Reproductive toxicity**
Based on available data the classification criteria are not met.
**Specific target organ toxicity - single exposure**
Causes damage to organs. - Eyes, Central nervous system
Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Acute oral toxicity - Nausea, Vomiting
Acute inhalation toxicity - Irritation symptoms in the respiratory tract.

**Specific target organ toxicity - repeated exposure**
No data available

**Aspiration hazard**
No data available

### SECTION 12: Ecological information

**12.1 Toxicity**

**Mixture**
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**
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

**Components**

**Formaldehyde**
Toxicity to fish: static test LC50 - Morone saxatilis - 6.7 mg/l - 96 h
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates: static test EC50 - Daphnia pulex (Water flea) - 5.8 mg/l - 48 h
(OECD Test Guideline 202)

Toxicity to algae: static test EC50 - Desmodesmus subspicatus (green algae) - 4.89 mg/l - 72 h
(OECD Test Guideline 201)

Toxicity to bacteria: static test EC50 - activated sludge - 19 mg/l - 3 h
(OECD Test Guideline 209)

**Methanol**
Toxicity to fish: flow-through test LC50 - Lepomis macrochirus (Bluegill) - 15.400.0 mg/l - 96 h
(US-EPA)
Toxicity to daphnia and other aquatic invertebrates  
semi-static test EC50 - Daphnia magna (Water flea) - 18.260 mg/l - 96 h  
(OECD Test Guideline 202)

Toxicity to algae  
static test ErC50 - Pseudokirchneriella subcapitata (green algae) - ca. 22.000,0 mg/l - 96 h  
(OECD Test Guideline 201)

Toxicity to bacteria  
static test IC50 - activated sludge - > 1.000 mg/l - 3 h  
(OECD Test Guideline 209)

**formaldehyde**

Toxicity to fish  
static test LC50 - Morone saxatilis - 6,7 mg/l - 96 h  
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates  
static test EC50 - Daphnia pulex (Water flea) - 5,8 mg/l - 48 h  
(OECD Test Guideline 202)

Toxicity to algae  
static test EC50 - Desmodesmus subspicatus (green algae) - 4,89 mg/l - 72 h  
(OECD Test Guideline 201)

Toxicity to bacteria  
static test EC50 - activated sludge - 19 mg/l - 3 h  
(OECD Test Guideline 209)

**Methanol**

Toxicity to fish  
flow-through test LC50 - Lepomis macrochirus (Bluegill) - 15.400,0 mg/l - 96 h  
(US-EPA)

Toxicity to daphnia and other aquatic invertebrates  
semi-static test EC50 - Daphnia magna (Water flea) - 18.260 mg/l - 96 h  
(OECD Test Guideline 202)

Toxicity to algae  
static test ErC50 - Pseudokirchneriella subcapitata (green algae) - ca. 22.000,0 mg/l - 96 h  
(OECD Test Guideline 201)

Toxicity to bacteria  
static test IC50 - activated sludge - > 1.000 mg/l - 3 h  
(OECD Test Guideline 209)

**SECTION 13: Disposal considerations**

13.1 Waste treatment methods

**Product**

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.
SECTION 14: Transport information

14.1 UN number
ADR/RID: 1198
IMDG: 1198
IATA: 1198

14.2 UN proper shipping name
ADR/RID: FORMALDEHYDE SOLUTION, FLAMMABLE
IMDG: FORMALDEHYDE SOLUTION, FLAMMABLE
IATA: Formaldehyde solution, flammable

14.3 Transport hazard class(es)
ADR/RID: 3 (8)
IMDG: 3 (8)
IATA: 3 (8)

14.4 Packaging group
ADR/RID: III
IMDG: III
IATA: III

14.5 Environmental hazards
ADR/RID: no
IMDG Marine pollutant: no
IATA: no

14.6 Special precautions for user
No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Authorisations and/or restrictions on use
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

Methanol

National legislation

Methanol

Other regulations
Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.
H225  Highly flammable liquid and vapor.
H226  Flammable liquid and vapor.
H301   Toxic if swallowed.
H301 + H311  Toxic if swallowed or in contact with skin.
H311   Toxic in contact with skin.
H314   Causes severe skin burns and eye damage.
H315   Causes skin irritation.
H317   May cause an allergic skin reaction.
H318   Causes serious eye damage.
H319   Causes serious eye irritation.
H330   Fatal if inhaled.
H331   Toxic if inhaled.
H335   May cause respiratory irritation.
H341   Suspected of causing genetic defects.
H350   May cause cancer.
H370   Causes damage to organs.
H371   May cause damage to organs.

Further information
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SAFETY NOTICE: In order to provide our customers with the highest quality material and maintain our high standards of safety, the surface temperature of the bubbler may be monitored during the transportation of our products using a tempilabel. Tempilabel is a temperature-monitoring strip which will indicate the temperature during shipment. The strip will turn black at one of the four ratings shown if the temperature is reached (normally a silver centre). If the temperature monitor is changed, please notify an SAFC Hitech representative immediately and we will assist you in the proper measures to be taken. We ask for your co-operation in our efforts of quality assurance and safety. If you have any questions or comments, please contact an SAFC Hitech representative. We thank you for your co-operation. Your assistance is greatly appreciated.
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