# **SAFETY DATA SHEET**



### Fuchsin-plus Substrate Buffer

# **Section 1. Identification**

| 1.1 Product identifier                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name                                      | : Fuchsin-plus Substrate Buffer                                                                                                                                                                                                                                                                                                                                                                                              |
| Part no.                                          | : K0625                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Validation date                                   | : 7/28/2020                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1.2 Relevant identified uses                      | <u>s of the substance or mixture and uses advised against</u>                                                                                                                                                                                                                                                                                                                                                                |
| Material uses                                     | : Laboratory use<br>Container type: Bottle<br>K0625 // Fuchsin+ Substrate Buffer // Fuchsin+ Substrate-Chromogen System // 30 mL & 110<br>mL<br>Reference number: SDS084                                                                                                                                                                                                                                                     |
| 1.3 Details of the supplier of                    | of the safety data sheet                                                                                                                                                                                                                                                                                                                                                                                                     |
| Supplier/Manufacturer                             | <ul> <li>Agilent Technologies, Inc.<br/>5301 Stevens Creek Blvd<br/>Santa Clara, CA 95051, USA<br/>Tel: +1 800 227 9770</li> <li>Agilent Technologies Singapore (International) Pte Ltd.<br/>No. 1 Yishun Avenue 7<br/>Singapore, 768923<br/>Tel. (65) 6276 2622</li> <li>Agilent Technologies Denmark ApS<br/>Produktionsvej 42<br/>2600 Glostrup,<br/>Denmark<br/>Tel. +45 44 85 95 00</li> <li>www.Agilent.com</li> </ul> |
| e-mail address of person responsible for this SDS | : SDS@Agilent.com                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1.4 Emergency telephone n                         | <u>iumber</u>                                                                                                                                                                                                                                                                                                                                                                                                                |
| In case of emergency                              | : CHEMTREC®: 1-800-424-9300                                                                                                                                                                                                                                                                                                                                                                                                  |

# Section 2. Hazards identification

| 2.1 Classification of the substance or mixture |                                                                                                                                                                                                                                                                                                              |  |  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| OSHA/HCS status                                | : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |  |  |
| <b>Classification of the subs</b>              | stance or mixture                                                                                                                                                                                                                                                                                            |  |  |
| Not classified.                                |                                                                                                                                                                                                                                                                                                              |  |  |
| 2.2 GHS label elements                         |                                                                                                                                                                                                                                                                                                              |  |  |

Signal word

: No signal word.

| Date of issue : | 07/28/2020 |  |  |
|-----------------|------------|--|--|
|-----------------|------------|--|--|

# Section 2. Hazards identification

| Hazard statements                   | : No known significant effects or critical hazards. |
|-------------------------------------|-----------------------------------------------------|
| Precautionary statements            |                                                     |
| Prevention                          | : Not applicable.                                   |
| Response                            | : Not applicable.                                   |
| Storage                             | : Not applicable.                                   |
| Disposal                            | : Not applicable.                                   |
| 2.3 Other hazards                   |                                                     |
| Hazards not otherwise<br>classified | : None known.                                       |

# Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

| Ingredient name | %    | CAS number |
|-----------------|------|------------|
| Trometamol      | ≤5   | 77-86-1    |
| Ethanol         | ≤2.9 | 64-17-5    |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

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

# Section 4. First aid measures

### 4.1 Description of necessary first aid measures

| Eye contact                   | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                                                                                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                    | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.                                           |
| Skin contact                  | : Fush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.                                                                                                                                                                                                               |
| Ingestion                     | : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| 4.2 Most important symptoms   | s/effects, acute and delayed                                                                                                                                                                                                                                                                                                                  |
| Potential acute health effect | <u>s</u>                                                                                                                                                                                                                                                                                                                                      |
| Eye contact                   | : No known significant effects or critical hazards.                                                                                                                                                                                                                                                                                           |
| Inhalation                    | : No known significant effects or critical hazards.                                                                                                                                                                                                                                                                                           |
| Skin contact                  | : No known significant effects or critical hazards.                                                                                                                                                                                                                                                                                           |
| Ingestion                     | : No known significant effects or critical hazards.                                                                                                                                                                                                                                                                                           |
| Over-exposure signs/sympton   | oms                                                                                                                                                                                                                                                                                                                                           |
| Eye contact                   | : No specific data.                                                                                                                                                                                                                                                                                                                           |
| Inhalation                    | : No specific data.                                                                                                                                                                                                                                                                                                                           |
| Skin contact                  | : No specific data.                                                                                                                                                                                                                                                                                                                           |

| 07/28/2020 | 2/11      |
|------------|-----------|
| )          | 7/28/2020 |

# Section 4. First aid measures

| Ingestion                   | : No specific data.                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.3 Indication of immediate | medical attention and special treatment needed, if necessary                                                                                                             |
| Notes to physician          | : In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours. |
| Specific treatments         | : No specific treatment.                                                                                                                                                 |
| Protection of first-aiders  | : No action shall be taken involving any personal risk or without suitable training.                                                                                     |

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

| 5.1 Extinguishing media        |   |                                                               |
|--------------------------------|---|---------------------------------------------------------------|
| Suitable extinguishing media   | 1 | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | 1 | None known.                                                   |

### 5.2 Special hazards arising from the substance or mixture

| Specific hazards arising<br>from the chemical | : In a fire or if heated, a pressure increase will occur and the container may burst.                                 |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Hazardous thermal decomposition products      | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides |
| 5.3 Advice for firefighters                   |                                                                                                                       |

| Special protective actions for fire-fighters   | Promptly isolate the scene by removing all persons from the vicinity of the there is a fire. No action shall be taken involving any personal risk or with training. |  |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-con-<br>apparatus (SCBA) with a full face-piece operated in positive pressure m                 |  |

# Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

| For non-emergency<br>personnel | : | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Put on appropriate personal<br>protective equipment. |
|--------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For emergency responders       | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                                          |
| 6.2 Environmental precautions  | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                                                            |

### 6.3 Methods and materials for containment and cleaning up

# Section 6. Accidental release measures

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

# Section 7. Handling and storage

| 7.1 Precautions for safe har                                           | <u>idling</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective measures                                                    | : Put on appropriate personal protective equipment (see Section 8).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Advice on general occupational hygiene                                 | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.                                                                                                                                                                                                                                                                          |
| 7.2 Conditions for safe<br>storage, including any<br>incompatibilities | : Specific storage conditions: Please consult the label.<br>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| 7.3 Specific end use(s)                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Recommendations                                                        | : Industrial applications, Professional applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Industrial sector specific                                             | : Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

# Section 8. Exposure controls/personal protection

### 8.1 Control parameters

solutions

**Occupational exposure limits** 

| Ingredient name       | Exposure limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frometamol<br>Ethanol | None.           ACGIH TLV (United States, 3/2019).           STEL: 1000 ppm 15 minutes.           OSHA PEL 1989 (United States, 3/1989).           TWA: 1000 ppm 8 hours.           TWA: 1900 mg/m³ 8 hours.           NIOSH REL (United States, 10/2016).           TWA: 1000 ppm 10 hours.           TWA: 1900 mg/m³ 10 hours.           TWA: 1900 mg/m³ 10 hours.           TWA: 1000 ppm 8 hours.           TWA: 1900 mg/m³ 8 hours.           TWA: 1000 ppm 8 hours.           TWA: 1000 ppm 8 hours. |

| 8.2 Exposure controls<br>Appropriate engineering<br>controls | : Sood general ventilation should be sufficient to control worker exposure to airborne contaminants.                                                                                                                                                                                                                            |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental exposure controls                              | : Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process equipment<br>will be necessary to reduce emissions to acceptable levels. |

# Section 8. Exposure controls/personal protection

### Individual protection measures

| Hygiene measures       | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection    | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.                                 |
| Skin protection        |                                                                                                                                                                                                                                                                                                                                                                                       |
| Hand protection        | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.                                                                                                                                                                                             |
| Body protection        | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.                                                                                                                                                                                         |
| Other skin protection  | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.                                                                                                                                                                   |
| Respiratory protection | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.                                                                                                            |

# Section 9. Physical and chemical properties

| 9.1 Information on basic phys                | sical and chemical properties                                   |
|----------------------------------------------|-----------------------------------------------------------------|
| <u>Appearance</u>                            |                                                                 |
| Physical state                               | : Liquid. [Clear.]                                              |
| Color                                        | : Colorless.                                                    |
| Odor                                         | : Odorless.                                                     |
| Odor threshold                               | : Not available.                                                |
| рН                                           | : 8.5                                                           |
| Melting point                                | : Not available.                                                |
| Boiling point                                | : Not available.                                                |
| Flash point                                  | : Not available.                                                |
| Evaporation rate                             | : Not available.                                                |
| Flammability (solid, gas)                    | : Not applicable.                                               |
| Lower and upper explosive (flammable) limits | : Not available.                                                |
| Vapor pressure                               | : Not available.                                                |
| Vapor density                                | : Not available.                                                |
| Relative density                             | : Not available.                                                |
| Solubility                                   | : Soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-<br>octanol/water   | : Not available.                                                |
| Auto-ignition temperature                    | : Not available.                                                |
| Decomposition temperature                    | : Not available.                                                |
|                                              |                                                                 |

# Section 9. Physical and chemical properties

Viscosity

: Not available.

# Section 10. Stability and reactivity

|                                          | -                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 10.1 Reactivity                          | : No specific test data related to reactivity available for this product or its ingredients.           |
| 10.2 Chemical stability                  | : The product is stable.                                                                               |
| 10.3 Possibility of hazardous reactions  | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| 10.4 Conditions to avoid                 | : Protect from moisture.                                                                               |
| 10.5 Incompatible materials              | : No specific data.<br>Reactive or incompatible with the following materials: acids and alkalis.       |
| 10.6 Hazardous<br>decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

# Section 11. Toxicological information

### 11.1 Information on toxicological effects

### Acute toxicity

| Product/ingredient name | Result                                            | Species | Dose                                  | Exposure          |
|-------------------------|---------------------------------------------------|---------|---------------------------------------|-------------------|
| rometamol<br>Ethanol    | LD50 Dermal<br>LC50 Inhalation Vapor<br>LD50 Oral | Rat     | >5000 mg/kg<br>124700 mg/m³<br>7 g/kg | -<br>4 hours<br>- |

### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure                                | Observation |
|-------------------------|--------------------------|---------|-------|-----------------------------------------|-------------|
| Frometamol              | Skin - Moderate irritant | Rabbit  | -     | 25 %                                    | -           |
|                         | Skin - Severe irritant   | Rabbit  | -     | 500 mg                                  | -           |
| Ethanol                 | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500                            | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | mg<br>0.0666666667<br>minutes 100<br>mg | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 100 UI                                  | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 400 mg                                  | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20<br>mg                       | -           |

Conclusion/Summary Skin

: Repeated exposure may cause skin dryness or cracking.

Sensitization Not available.

### NUL avaliable.

| <u>Mutagenicity</u>       |                  |
|---------------------------|------------------|
| <b>Conclusion/Summary</b> | : Not available. |
| <b>Carcinogenicity</b>    |                  |
| <b>Conclusion/Summary</b> | : Not available. |
| <b>Classification</b>     |                  |

# Section 11. Toxicological information

| <u> </u> |                         |      |      |     |  |
|----------|-------------------------|------|------|-----|--|
| Γ        | Product/ingredient name | OSHA | IARC | NTP |  |
|          | Ethanol                 | -    | 1    | -   |  |
| L        |                         |      |      |     |  |

## Reproductive toxicity

**Conclusion/Summary** : Not available.

**Teratogenicity** 

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

| Name       | Category   | Route of exposure | Target organs                |
|------------|------------|-------------------|------------------------------|
| Frometamol | Category 3 | -                 | Respiratory tract irritation |
| Ethanol    | Category 3 | -                 | Respiratory tract irritation |
|            | Category 3 |                   | Narcotic effects             |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

| Information on the likely | : Routes of entry anticipated: Oral, Dermal, Inhalation. |
|---------------------------|----------------------------------------------------------|
| routes of exposure        |                                                          |

### Potential acute health effects

| Eye contact  | : No known significant effects or critical hazards. |
|--------------|-----------------------------------------------------|
| Inhalation   | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion    | : No known significant effects or critical hazards. |

### Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact  | : No specific data. |
|--------------|---------------------|
| Inhalation   | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion    | : No specific data. |

### Delayed and immediate effects and also chronic effects from short and long term exposure

| <u>Short term exposure</u>       |   |                                                   |  |  |
|----------------------------------|---|---------------------------------------------------|--|--|
| Potential immediate effects      | : | Not available.                                    |  |  |
| Potential delayed effects        | 1 | Not available.                                    |  |  |
| <u>Long term exposure</u>        |   |                                                   |  |  |
| Potential immediate effects      | : | Not available.                                    |  |  |
| Potential delayed effects        | : | Not available.                                    |  |  |
| Potential chronic health effects |   |                                                   |  |  |
| General                          | 1 | No known significant effects or critical hazards. |  |  |
| Carcinogenicity                  | : | No known significant effects or critical hazards. |  |  |

# Section 11. Toxicological information

| Mutagenicity                 | : No known significant effects or critical hazards. |
|------------------------------|-----------------------------------------------------|
| Teratogenicity               | : No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : No known significant effects or critical hazards. |
| Fertility effects            | : No known significant effects or critical hazards. |

### Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | (vapors) | Inhalation<br>(dusts and<br>mists) (mg/<br>I) |
|-------------------------|------------------|-------------------|--------------------------------|----------|-----------------------------------------------|
| rrometamol              | 5900             | N/A               | N/A                            | N/A      | N/A                                           |
| Ethanol                 | 7000             | N/A               | N/A                            | 124.7    | N/A                                           |

# Section 12. Ecological information

### 12.1 Toxicity

| Product/ingredient name | Result                               | Species                               | Exposure |
|-------------------------|--------------------------------------|---------------------------------------|----------|
| Trometamol              | Acute EC50 >980 mg/l Fresh water     | Daphnia                               | 48 hours |
|                         | Acute NOEC 520 mg/l Fresh water      | Daphnia                               | 48 hours |
| Ethanol                 | Acute EC50 17.921 mg/l Marine water  | Algae - Ulva pertusa                  | 96 hours |
|                         | Acute EC50 2000 µg/l Fresh water     | Daphnia - Daphnia magna               | 48 hours |
|                         | Acute LC50 25500 µg/l Marine water   | Crustaceans - Artemia                 | 48 hours |
|                         |                                      | franciscana - Larvae                  | 4 .1     |
|                         | Acute LC50 42000 µg/l Fresh water    | Fish - Oncorhynchus mykiss            | 4 days   |
|                         | Chronic NOEC 4.995 mg/l Marine water | Algae - Ulva pertusa                  | 96 hours |
|                         | Chronic NOEC 100 ul/L Fresh water    | Daphnia - Daphnia magna -             | 21 days  |
|                         |                                      | Neonate                               |          |
|                         | Chronic NOEC 0.375 ul/L Fresh water  | Fish - Gambusia holbrooki -<br>Larvae | 12 weeks |

### 12.2 Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Ethanol                 | -                 | -          | Readily          |

### **12.3 Bioaccumulative potential**

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
|                         | -2.31  | -   | low       |
|                         | -0.35  | 0.5 | low       |

### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

- : Not available.
- **12.5 Other adverse effects** : No known significant effects or critical hazards.

# Section 13. Disposal considerations

# 13.1 Waste treatment methodsDisposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal<br/>of this product, solutions and any by-products should at all times comply with the<br/>requirements of environmental protection and waste disposal legislation and any<br/>regional local authority requirements. Dispose of surplus and non-recyclable products<br/>via a licensed waste disposal contractor. Waste should not be disposed of untreated to<br/>the sewer unless fully compliant with the requirements of all authorities with jurisdiction.<br/>Waste packaging should be recycled. Incineration or landfill should only be considered<br/>when recycling is not feasible. This material and its container must be disposed of in a<br/>safe way. Empty containers or liners may retain some product residues. Avoid<br/>dispersal of spilled material and runoff and contact with soil, waterways, drains and<br/>sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

# Section 14. Transport information

DOT / TDG / Mexico / IMDG / : Not regulated. IATA

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

Transport in bulk according : Not available. to IMO instruments

# Section 15. Regulatory information

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

| U.S. Federal regulations                                            | : TSCA 8(a) CDR Exempt/Partial exemption: Not determined |
|---------------------------------------------------------------------|----------------------------------------------------------|
| Clean Air Act Section 112<br>(b) Hazardous Air<br>Pollutants (HAPs) | : Listed                                                 |
| Clean Air Act Section 602<br>Class I Substances                     | : Not listed                                             |
| Clean Air Act Section 602<br>Class II Substances                    | : Not listed                                             |
| DEA List I Chemicals<br>(Precursor Chemicals)                       | : Not listed                                             |
| DEA List II Chemicals<br>(Essential Chemicals)                      | : Not listed                                             |
| SARA 302/304                                                        |                                                          |
| Composition/information                                             | on ingredients                                           |

# Section 15. Regulatory information

No products were found.

### **SARA 304 RQ**

: Not applicable.

### SARA 311/312

### **Classification** : Not applicable.

Composition/information on ingredients

| Name       | %    | Classification                                                                                                                                                                                                                                                                                                        |
|------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frometamol | ≤5   | COMBUSTIBLE DUSTS<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract<br>irritation) - Category 3                                                                                                                                  |
| Ethanol    | ≤2.9 | FLAMMABLE LIQUIDS - Category 2<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract<br>irritation) - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -<br>Category 3<br>HNOC - Defatting irritant |

### State regulations

Massachusetts

: The following components are listed: ETHYL ALCOHOL; DENATURED ALCOHOL

New York

: None of the components are listed.

New Jersey

- : The following components are listed: ETHYL ALCOHOL; ALCOHOL
- Pennsylvania
- : The following components are listed: DENATURED ALCOHOL; ETHANOL

### California Prop. 65

MARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Ingredient name | No significant risk<br>level | Maximum<br>acceptable dosage<br>level |
|-----------------|------------------------------|---------------------------------------|
| Methanol        | -                            | Yes.                                  |

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

### Not listed.

### Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

### Inventory list

| Australia | : | Not determined. |
|-----------|---|-----------------|
| Canada    | 1 | Not determined. |
| China     | 1 | Not determined. |

| f issue : |
|-----------|
|-----------|

# Section 15. Regulatory information

| Europe            | : Not determined.                                                                    |
|-------------------|--------------------------------------------------------------------------------------|
| Japan             | : Japan inventory (ENCS): Not determined.<br>Japan inventory (ISHL): Not determined. |
| New Zealand       | : Not determined.                                                                    |
| Philippines       | : Not determined.                                                                    |
| Republic of Korea | : Not determined.                                                                    |
| Taiwan            | : All components are listed or exempted.                                             |
| Thailand          | : Not determined.                                                                    |
| Turkey            | : Not determined.                                                                    |
| United States     | : At least one component is inactive.                                                |
| Viet Nam          | : Not determined.                                                                    |

# Section 16. Other information

### **History**

| Date of issue              | : 07/28/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date of previous issue     | : 07/14/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Version                    | : 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Key to abbreviations       | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = International Air Transport Association<br>IBC = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973<br>as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>UN = United Nations |
| Procedure used to derive t | he classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Procedure used to derive the classification

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

**Indicates information that has changed from previously issued version.** 

### Notice to reader

Disclaimer: The information contained in this document is based on Dako state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.