

# **SAFETY DATA SHEET**

VD2020039 MS#-PR2

Issuing Date 05-Mar-2018 Revision Date 18-May-2020 Revision A

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier** 

Product Name MS#-PR2, INCORPORATION BUFFER

Other means of identification

Product Codes(s) 15041807

Synomyms None

Recommended use of the chemical and restrictions on use

Recommended Use reagent

Details of the supplier of the safety data sheet

Manufacturer AddressCompany Phone NumberE-mail addressIllumina, Inc.1-858-809-ILMNSDS@illumina.com5200 Illumina Way1-858-202-4566

5200 Illumina Way San Diego, CA 92122 USA

www.illumina.com

Emergency telephone number

24 Hour Emergency Phone Number 1-760-476-3962

### 2. HAZARDS IDENTIFICATION

# **GHS Classification**

# **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin sensitization Category 1

# Label elements

### **Emergency Overview**

# Signal word

Warning

# Hazard statements

May cause an allergic skin reaction



Appearance Liquid Physical state Liquid Odor Odorless

#### **Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace.

IF ON SKIN: Wash with plenty of soap and water.

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

Wash contaminated clothing before reuse.

### Precautionary Statements - Storage

Store away from incompatible materials.

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

#### Hazards not otherwise classified (HNOC)

Not applicable.

### Other Information

Unknown acute toxicity

0.1 % of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS No.	Weight-%	Trade Secret
5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)	55965-84-9	< 0.1	*

<sup>\*</sup> The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

### **Description of first aid measures**

General Advice Use first aid treatment according to the nature of the injury.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call

a physician.

**Skin Contact**Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.

**Ingestion** Get medical advice/attention.

Self-protection of the first aider

Use personal protective equipment as required. Ensure that medical personnel are aware of

the material(s) involved and take precautions to protect themselves.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons.

#### 5. FIRE-FIGHTING MEASURES

# Suitable extinguishing media

Water, Water spray (fog), Foam, Dry chemical, Carbon dioxide (CO2).

### Unsuitable extinguishing media

None known.

### Revision Date 18-May-2020

### Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

#### **Hazardous combustion products**

No information available.

**Explosion data** 

Sensitivity to Mechanical Impact None Sensitivity to Static Discharge None

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**Use personal protective equipment as required. Avoid contact with eyes and skin.

**Environmental precautions** 

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface

water or sanitary sewer system. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

After cleaning, flush away traces with water. Prevent product from entering drains.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Use personal protective equipment

as required.

### Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible

materials. Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible materials** Strong oxidizing agents.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters** 

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls** 

Engineering Controls Showers

Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Revision Date 18-May-2020

Skin and body protection Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of

exposure. Contact glove manufacturer for specific information.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Physical stateLiquidAppearanceLiquidOdorOdorlessColorColorless

Odor threshold No information available

Property Values Remarks • Methods

pH No data availableMelting point / freezing point No data available

Boiling point / boiling range

Flash point

Evaporation rate No data available Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability or explosive limits: No data available Lower flammability or explosive limits: No data available No data available Vapor pressure Vapor density No data available Specific gravity No data available Water solubility No data available Solubility in other solvents No data available Partition coefficient No data available **Autoignition temperature** No data available **Decomposition temperature** No data available Kinematic viscosity No data available **Dvnamic viscosity** No data available

Explosive properties No unusual fire or explosion hazards noted.

Oxidizing properties No data available

**Other Information** 

Softening pointNo data availableMolecular weightNo data availableVOC content (%)No data availableLiquid densityNo data availableBulk densityNo data available

### 10. STABILITY AND REACTIVITY

#### Reactivity

#### **Chemical stability**

Stable under normal conditions. Stable under recommended storage conditions.

# Possibility of Hazardous Reactions

None under normal processing.

### **Hazardous polymerization**

Hazardous polymerization does not occur.

### **Conditions to avoid**

None known.

### VD2020039 MS#-PR2 (15041807)

### **Incompatible materials**

Strong oxidizing agents.

### **Hazardous decomposition products**

None known based on information supplied.

### 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** 

**Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation

hazard.

**Eye Contact** Direct contact with eyes may cause temporary irritation.

**Skin Contact** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

May cause irritation.

Ingestion No harmful effects expected in amounts likely to be ingested by accident.

Information on toxicological effects

Symptoms None known.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Not classified. Serious eye damage/eye irritation Not classified.

**Skin sensitization** May cause an allergic skin reaction.

Respiratory sensitization Not classified. Germ cell mutagenicity Not classified.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA,

IARC or NTP. Not classified.

Reproductive toxicity
STOT – single exposure
STOT – repeated exposure
Not classified.
Not classified.

Chronic toxicity Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated

exposure.

Aspiration hazard Not classified.

Other adverse effects No information available.

### Numerical measures of toxicity - Product Information

**Unknown acute toxicity** 0.1 % of the mixture consists of ingredient(s) of unknown toxicity.

### 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

0.1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium chloride 7647-14-5	<del>-</del>	4747 - 7824 mg/L: LC50 96 h Oncorhynchus mykiss flow-through 5560 - 6080 mg/L: LC50 96 h Lepomis macrochirus flow-through 6020 - 7070 mg/L: LC50 96 h Pimephales promelas static 6420 - 6700 mg/L: LC50 96 h Pimephales promelas static 12946 mg/L: LC50 96 h Lepomis macrochirus static 7050 mg/L: LC50 96 h Pimephales promelas semi-static	340.7 - 469.2 mg/L: EC50 48 h Daphnia magna Static 1000 mg/L: EC50 48 h Daphnia magna

# Persistence and degradability

Not a PBT or vPvB substance or mixture.

# **Bioaccumulation**

No data available.

#### VD2020039 MS#-PR2 (15041807)

#### Mobility

No data available.

#### Other adverse effects

No data available.

#### Ozone

Not classified.

### Ozone depletion potential (ODP)

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container. Disposal should be in accordance with applicable regional, national

and local laws and regulations.

#### 14. TRANSPORT INFORMATION

DOT Not regulated **TDG** Not regulated **MEX** Not regulated ICAO (air) Not regulated IATA Not regulated **IMDF** Not regulated RID Not regulated **ADR** Not regulated ADN Not regulated

# 15. REGULATORY INFORMATION

### **International Inventories**

**TSCA** Does not comply **DSL/NDSL** Complies **EINECS/ELINCS** Does not comply Does not comply **ENCS IECSC** Complies **KECL** Does not comply **PICCS** Complies **AICS** Does not comply

**INSQ** This product complies with INSQ

#### Legend

TSCA—United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL—Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS—European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS**—Japan Existing and New Chemical Substances

**IECSC**—China Inventory of Existing Chemical Substances

**KECL**—Korean Existing and Evaluated Chemical Substances

PICCS—Philippines Inventory of Chemicals and Chemical Substances

AICS—Australian Inventory of Chemical Substances

INSQ—Mexican National Inventory of Chemical Substances

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### **US State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

#### **U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

# **16. OTHER INFORMATION**

NFPA	Health Hazards 2	<u> </u>	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health Hazards 2	<u> </u>	Flammability 1	Physical Hazards 0	Personal Protection X

Prepared By Illumina Inc.
Issuing Date 05-Mar-2018
Revision Date 18-May-2020
Revision Note Not applicable

#### Disclaimer

Although reasonable care has been taken in the preparation of this document, Illumina makes no warranties or representations of any kind as to the accuracy or completeness of the information contained herein, and Illumina assumes no responsibility regarding the suitability of this information or the product for the user's intended purposes or for the consequences of use of this information or the use of the product. The user of this (M)SDS and product should make a determination as to the suitability of the information and the product for their particular purpose(s). To the extent provided by applicable law, Illumina shall not be held liable for any damage or expenses of any kind resulting from handling, use, storage, or disposal of the product.

**End of Safety Data Sheet**