

# SAFETY DATA SHEET

Issuing Date 05-Mar-2018 Revision date 22-Jan-2020 Revision Number 4.1

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

Product identifier

Product Name GA #-PR2

Other means of identification

Product Code(s) 11298949

Synonyms 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



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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	55965-84-9	<0.1	*
2-Methyl-2,3-dihydroisothiazol-3-one (3:1)			

<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.

Get medical attention. Ingestion

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.

### 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).

**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 • Method

pH
Melting point / freezing point
Boiling point / boiling range

No data available No data available

Flash point

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

Flammability Limit in Air

Upper flammability or explosive

limits

Lower flammability or explosive No data available

limits

Vapor pressure No data available Vapor density No data available Specific gravity No data available Water solubility No data available No data available Solubility in other solvents Partition coefficient No data available **Autoignition temperature** No data available **Decomposition temperature** No data available Kinematic viscosity No data available Dynamic viscosity No data available

**Explosive properties**No unusual fire or explosion hazards noted.

No data available

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.

# Incompatible materials

Strong oxidizing agents.

#### Hazardous decomposition products

None known based on information supplied.

# 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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#### **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.

### **Component Information**

### 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

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	-	4747 - 7824 mg/L: LC50 96 h	340.7 - 469.2 mg/L: EC50 48 h
7647-14-5		Oncorhynchus mykiss flow-through	Daphnia magna Static 1000 mg/L:
		5560 - 6080 mg/L: LC50 96 h	EC50 48 h Daphnia magna
		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	

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705	50 mg/L: LC50 96 h Pimephales	
	promelas semi-static	

# Persistence and degradability

Not a PBT or vPvB substance or mixture.

#### **Bioaccumulation**

No data available

### **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

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

# 15. REGULATORY INFORMATION

### **International Inventories**

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

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

### U.S. EPA Label Information

#### EPA Pesticide Registration Number Not applicable

# **16. OTHER INFORMATION**

NFPA Health hazards 2 Flammability 1 Instability 0 Physical and Chemical

Properties -

HMIS Health hazards 2 Flammability 1 Physical hazards 0 Personal protection X

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Not applicable.

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**End of Safety Data Sheet**