

# SAFETY DATA SHEET

Issuing Date 02-Oct-2018 Revision date 22-Jan-2020 Revision Number 2.1

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

Product identifier

Product Name MS#-HP12,PRIMER MIX,INDEX 1

Other means of identification

Product Code(s) 15027801

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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### Label elements

### **Emergency Overview**

Signal word None

Hazard statements

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance colorless liquid Physical state Liquid Odor Odorless

**Precautionary Statements - Prevention** 

Handle in accordance with good industrial hygiene and safety practice

# **Precautionary Statements - Storage**

Store away from incompatible materials

# **Precautionary Statements - Disposal**

Dispose of in accordance with federal, state and local regulations

#### Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Unknown acute toxicity 7.5 % of the mixture consists of ingredient(s) of unknown toxicity

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

# 4. FIRST AID MEASURES

#### Description of first aid measures

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

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

**Skin Contact** Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion** Get medical advice/attention.

Self-protection of the first aider 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**Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

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

# Unsuitable extinguishing media

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None known.

Specific hazards arising from the chemical

None known.

**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.

For emergency responders

Use personal protection recommended in Section 8. Keep unnecessary personnel away.

Environmental precautions

**Environmental precautions** 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. Dike far ahead of liquid spill for later

disposal.

Methods for cleaning up

Use personal protective equipment as required. Contain and collect spillage with

non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Large spill. Prevent runoff from entering drains, sewers, or streams. Dike far ahead of liquid

spill for later disposal.

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

# 7. HANDLING AND STORAGE

Precautions for safe handling

hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep/store only in original

container. Store away from incompatible materials.

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

Showers **Engineering Controls** 

> 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.

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

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** Handle in accordance with good industrial hygiene and safety practice. Wash after handling

this material and before eating, drinking and/or smoking. Regular cleaning of equipment,

work area and clothing is recommended.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Liquid Physical state

**Appearance** colorless liquid Odorless Odor Color colorless

Odor threshold No information available

**Property** Values Remarks • Method No data available

No data available

No data available

pН No data available Melting point / freezing point

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

Lower flammability or explosive

limits

No data available Vapor pressure Vapor density No data available Specific gravity No data available Water solubility No data available No data available Solubility in other solvents

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Partition coefficientNo data availableAutoignition temperatureNo data availableDecomposition temperatureNo data availableKinematic viscosityNo data availableDynamic viscosityNo 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.

### 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 Low hazard for usual industrial or commercial handling by trained personnel

**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** Prolonged contact may cause redness and 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/irritationNot classified.Serious eye damage/eye irritationNot classified.Skin sensitizationNot classified.Respiratory sensitizationNot classifiedGerm cell mutagenicityNot 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
Aspiration hazard
Not classified.
Not classified.
Not classified.

Other adverse effects No information available.

Numerical measures of toxicity - Product Information

**Unknown acute toxicity** 7.5 % of the mixture consists of ingredient(s) of unknown toxicity

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

0 % 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	
		7050 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**

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

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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	No
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 0	Flammability 0	Instability 0	Physical and Chemical
				Properties -

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

Prepared By
Illumina Inc.
Ussuing Date
Revision date
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Illumina Inc.
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Not applicable.

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**End of Safety Data Sheet** 

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