



Safety Data Sheet (SDS) According to the OSHA Hazard Communication Standard 29 CFR 1910.1200

Issuing Date: 2017-08-20

Revision Date: 2018-07-09

Version: 2

SECTION 1. Identification

Product identifier

Product No 95176
Product name SimpleDIP™ Hydroxymethylated DNA IP (hMeDIP) Kit
Kit Component
31482: SimpleDIP™ Cell Lysis Buffer
49291: SimpleDIP™ DNA-IP Buffer (10X)
74252: TE Buffer
89173: 3 M Sodium Acetate, pH 5.2
7009: ChIP Elution Buffer (2X)
51660: 5-Hydroxymethylcytosine (5-hmC) (HMC31) Mouse mAb
98528: Mouse (G3A1) mAb IgG1 Isotype Control (DIP Formulated)
9006: ChIP-Grade Protein G Magnetic Beads
10007: DNA Binding Buffer
7013: RNase A (10 mg/ml)
10012: Proteinase K
10008: DNA Wash Buffer
10009: DNA Elution Buffer
86179: SimpleDIP™ Hydroxymethyl Control Spike-In DNA
20906: SimpleDIP™ Hydroxymethyl Control Primers
UN number UN1219

Recommended use of the chemical and restrictions on use

Identified uses This product is intended for research purposes only.

Manufacturer, importer, supplier

Manufacturer address Cell Signaling Technology, Inc.
3 Trask Lane
Danvers, MA 01923
United States
TEL: +1 978 867 2300
FAX: +1 978 867 2400
Website www.cellsignal.com
Email address support@cellsignal.com
Emergency telephone number In case of emergency call CHEMTREC 1-800-424-9300

SECTION 2. Hazard(s) identification

Classification

Classification and label elements described below are inclusive of all hazards of the combined kit. The most severe classifications are listed for each endpoint. Refer to individual kit component SDS for classification and label elements for each component present in the kit. This substance/mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR

1910.1200).

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Specific target organ toxicity - single exposure (STOT SE)	Category 3
Flammable liquids	Category 2

GHS Label elements, including precautionary statements**Signal Word**

Danger.

Hazard statement(s)

Highly flammable liquid and vapor.

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. .

Precautionary Statement(s)

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep cool.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

In case of fire: Use CO₂, dry chemical, or foam for extinction.

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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

Supplementary Hazard Information

No information available.

Hazards not otherwise classified (HNOC)

Not applicable.

Unknown Acute Toxicity 33.89% of the mixture consists of ingredient(s) of unknown acute toxicity**SECTION 3. Composition/information on ingredients****Kit Component**

31482: SimpleDIP™ Cell Lysis Buffer

Chemical Name	CAS No	Weight %
glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-,	6381-92-6	1-5

sodium salt, hydrate (1:2:2)		
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Kit Component 49291: SimpleDIP™ DNA-IP Buffer (10X)

Chemical Name	CAS No	Weight %
polyethylene glycol	9002-93-1	1 - <3
p-(1,1,3,3-tetramethylbutyl)phenylether		

Kit Component 74252: TE Buffer

Chemical Name	CAS No	Weight %
hydrochloric acid	7647-01-0	0.1 - <1

Kit Component 89173: 3 M Sodium Acetate, pH 5.2

Chemical Name	CAS No	Weight %
Sodium diacetate	126-96-5	20-30

Kit Component 7009: ChIP Elution Buffer (2X)

Chemical Name	CAS No	Weight %
sodium dodecyl sulphate	151-21-3	1-3
trometamol	77-86-1	0.5-1.5

Kit Component 51660: 5-Hydroxymethylcytosine (5-hmC) (HMC31) Mouse mAb
98528: Mouse (G3A1) mAb IgG1 Isotype Control (DIP Formulated)

Chemical Name	CAS No	Weight %
glycerol	56-81-5	30-60

Kit Component Name 9006: ChIP - Grade Protein G Magnetic Beads

Chemical Name	CAS No	Weight %
sodium azide	26628-22-8	<=0.1

Kit Component 10007: DNA Binding Buffer

Chemical Name	CAS No	Weight %
propan-2-ol	67-63-0	30-60
guanidinium chloride	50-01-1	30-60

Kit Component Name 7013: RNase A (10 mg/ml)

Chemical Name	CAS No	Weight %
glycerol	56-81-5	30-60
trometamol	77-86-1	7-13

Kit Component Name 10012: Proteinase K

Chemical Name	CAS No	Weight %
glycerol	56-81-5	30-60
Proteinase, Tritirachium album serine	39450-01-6	1-5

Kit Component Name 10008: DNA Wash Buffer
10009: DNA Elution Buffer
86179: SimpleDIP™ Hydroxymethyl Control Spike-In DNA
20906: SimpleDIP™ Hydroxymethyl Control Primers

These products do not contain substances at concentrations requiring disclosure under 29 CFR 1910.1200 (OSHA Hazard Communication Standard).

SECTION 4. First-aid measures

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. If breathing is difficult, give oxygen.
Ingestion	Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Get medical attention immediately if symptoms occur.

Most important symptoms and effects, both acute and delayed

Contains kit components which may cause the following effects, refer to individual component SDSs for full information on symptoms:

Corrosive to the eyes and may cause irreversible eye damage. Causes skin irritation. May cause allergic respiratory reaction. Vapors may cause drowsiness and dizziness. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Advice for emergency responders

General advice	Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.
Protection of first-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5. Fire-fighting measures**Extinguishing media**

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	CAUTION: Use of water spray when fighting fire may be inefficient. Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

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.

SECTION 6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Other information	No information available.

Environmental precautions

See Section 12 for additional information.

Methods and material for containment and cleaning up**Methods for containment
Methods for cleaning up**

Prevent further leakage or spillage if safe to do so.
Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Prevent product from entering drains.

SECTION 7. Handling and storage**Precautions for safe handling**

Use according to package label instructions. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

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

Packaging material

No information available.

Incompatible products

Strong acids, Strong bases, Oxidizing agents.

SECTION 8. Exposure controls/personal protection**Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
glycerol	-	TWA mist, total particulate: 15 mg/m ³ TWA mist, respirable fraction: 5 mg/m ³	-
propan-2-ol	STEL 400 ppm TWA : 200 ppm	TWA : 400 ppm TWA : 980 mg/m ³	IDLH : 2000 ppm TWA : 400 ppm TWA : 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
hydrochloric acid	Ceiling: 2 ppm	Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH : 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³
sodium azide	Ceiling: 0.29 mg/m ³ Ceiling: 0.11 ppm	-	Ceiling: 0.1 ppm Ceiling: 0.3 mg/m ³

Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Personal protective equipment (PPE) needs to be selected depending on the implemented engineering controls, frequency/duration of work activities and the concentrations of the hazardous substance.

Eye/face protection

Tightly fitting safety goggles.

Skin and body protection

Wear protective gloves/clothing.

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.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs.

Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks
and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on the known physical chemical properties of each component within Kit are given below. If not included, information is either not available or not applicable. Refer to individual kit component SDS for further information.

Information on basic physical and chemical properties

Kit Component	31482: SimpleDIP™ Cell Lysis Buffer
Physical state	Liquid
Color	Clear
pH VALUE	8.0
Kit Component	49291: SimpleDIP™ DNA-IP Buffer (10X)
Physical state	Liquid
Color	Clear
pH VALUE	7.0
Kit Component	74252: TE Buffer
Physical state	Liquid
Color	Clear
pH VALUE	8.0
Kit Component	89173: 3 M Sodium Acetate, pH 5.2
Physical state	Liquid
Color	Clear
pH VALUE	5.2
Kit Component	7009: ChIP Elution Buffer (2X)
Physical state	Liquid
Appearance	Translucent
Color	Clear
pH VALUE	7.5
Remarks	@ 20 °C
Kit Component	51660: 5-Hydroxymethylcytosine (5-hmC) (HMC31) Mouse mAb
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH VALUE	7.4
Remarks	@ 20 °C
Kit Component	98528: Mouse (G3A1) mAb IgG1 Isotype Control (DIP Formulated)
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH VALUE	7.4
Remarks	@ 20 °C
Kit Component	9006: ChIP-Grade Protein G Magnetic Beads
Physical state	Liquid
Appearance	Suspension
Color	Clear White to off-white with white suspended solids
Kit Component	10007: DNA Binding Buffer
Physical state	Liquid
Appearance	Colorless
Color	Clear
Odor	Characteristic

pH VALUE	7.0
Remarks	@ 20 °C
Flash point (°C) VALUE	>=21
Autoignition temp (°C) VALUE	425
Upper flammability limit	12%
Lower flammability limit	2%

Kit Component	7013: RNase A (10 mg/ml)
Physical state	Liquid
Appearance	Transparent
Color	Clear Colorless
pH VALUE	7.6
Remarks	@ 20 °C

Kit Component	10012: Proteinase K
Physical state	Liquid
Appearance	Clear
Color	Colorless

Kit Component	10008: DNA Wash Buffer
Physical state	Liquid
pH VALUE	7.7

Kit Component	10009: DNA Elution Buffer
Physical state	Liquid
pH VALUE	8.5

Kit Component	86179: SimpleDIP™ Hydroxymethyl Control Spike-In DNA
Physical state	Liquid
Appearance	Clear
Color	Colorless

Kit Component	20906: SimpleDIP™ Hydroxymethyl Control Primers
Physical state	Liquid
Appearance	Clear
Color	Colorless

SECTION 10. Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions	None under normal processing.
Hazardous polymerization	None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight. Heat, flames and sparks.

Incompatible Materials

Strong acids. Strong bases. Oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 11. Toxicological information

Information on likely routes of exposure

Product Information

Refer to kit component SDS for full toxicological information. This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

Inhalation

Kit Component Inhalation	10007: DNA Binding Buffer May cause drowsiness and dizziness
Kit Component Inhalation	10012: Proteinase K May cause allergy or asthma symptoms or breathing difficulties if inhaled

Eye contact

Kit Component Eye contact	49291: SimpleDIP™ DNA-IP Buffer (10X) Severely irritating to eyes
Kit Component Eye contact	89173: 3 M Sodium Acetate, pH 5.2 Corrosive to the eyes and may cause severe damage including blindness May cause irreversible damage to eyes
Kit Component Eye contact	7009: ChIP Elution Buffer (2X) Severely irritating to eyes
Kit Component Eye contact	10007: DNA Binding Buffer Severely irritating to eyes
Kit Component Eye contact	7013: RNase A (10 mg/ml) Severely irritating to eyes

Skin contact

Kit Component Skin contact	10007: DNA Binding Buffer Expected to be an irritant based on components
Kit Component Skin contact	7013: RNase A (10 mg/ml) Expected to be an irritant based on components

Ingestion

Kit Component Ingestion	10007: DNA Binding Buffer Harmful if swallowed
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Information on toxicological effects

Kit Component ATEmix (oral) ATEmix (dermal)	10007: DNA Binding Buffer 867 mg/kg 25600 mg/kg
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Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h
propan-2-ol	5000 mg/kg (Rat)	12800 mg/kg (Rabbit)	16000 ppm (Rat) 8h
guanidinium chloride	475 mg/kg (Rat)	-	-
trometamol	5900 mg/kg (Rat)	-	-
glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt, hydrate (1:2:2)]	2800 mg/kg (Rat)	-	-
sodium dodecyl sulphate	= 1288 mg/kg (Rat) = 1783 mg/kg (Rat)	= 200 mg/kg (Rabbit)	> 3900 mg/m ³ (Rat) 1 h
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylether	= 1800 mg/kg (Rat)	-	-
sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg (Rabbit) = 50 mg/kg (Rat)	-

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

Contains kit components which may cause the following effects, refer to individual component SDSs for full information on symptoms:
 , Corrosive to the eyes and may cause irreversible eye damage. Causes skin irritation, May cause allergic respiratory reaction, Vapors may cause drowsiness and dizziness, Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Skin and Eye Corrosion/Irritation**Kit Component 49291: SimpleDIP™ DNA-IP Buffer (10X)**

Serious eye damage/eye irritation Causes serious eye irritation

Kit Component 89173: 3 M Sodium Acetate, pH 5.2

Serious eye damage/eye irritation Risk of serious damage to eyes

Kit Component 7009: ChIP Elution Buffer (2X)

Serious eye damage/eye irritation Causes serious eye irritation

Kit Component 10007: DNA Binding Buffer

Skin corrosion/irritation Causes skin irritation
 Serious eye damage/eye irritation Causes serious eye irritation

Kit Component 7013: RNase A (10 mg/ml)

Skin corrosion/irritation Causes skin irritation
 Serious eye damage/eye irritation Causes serious eye irritation

Sensitization**Kit Component 10012: Proteinase K**

Respiratory Sensitization Respiratory Sensitizer May cause allergy or asthma symptoms or breathing difficulties if inhaled

Mutagenic effects

No information available

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Chemical Name	IARC	NTP	OSHA
propan-2-ol 67-63-0	3	-	-

Reproductive toxicity No information available.

Systemic Target Organ Toxicity (STOT)**Kit Component**STOT - single exposure
Target Organ Effects**10007: DNA Binding Buffer**May cause drowsiness or dizziness
Central nervous system (CNS)**Aspiration Hazard**

No information available.

SECTION 12. Ecological information**Ecotoxicity****Product Information**

No information available

Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
glycerol	-	LC50 51 - 57 mL/L (Oncorhynchus mykiss) 96 h	EC50 500 mg/L (Daphnia magna) 24 h
propan-2-ol	EC50 1000 mg/L (Desmodesmus subspicatus) 96 h EC50 1000 mg/L (Desmodesmus subspicatus) 72 h	LC50 9640 mg/L (Pimephales promelas) 96 h LC50 1400000 µg/L (Lepomis macrochirus) 96 h LC50 11130 mg/L (Pimephales promelas) 96 h	EC50 13299 mg/L (Daphnia magna) 48 h
guanidinium chloride	-	LC50 1758 mg/L (Leuciscus idus) 48 h	-
trometamol	-	-	NOEC >100 mg/L (Selenastrum capricornutum) 96 h
sodium dodecyl sulphate	EC50 53 mg/L (Desmodesmus subspicatus) 72 h EC50 30 - 100 mg/L (Desmodesmus subspicatus) 96 h EC50 42 mg/L (Desmodesmus subspicatus) 96 h EC50 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata) 96 h EC50 117 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 8 - 12.5 mg/L (Pimephales promelas) 96 h LC50 4.1 mg/L (Leuciscus idus) 48 h LC50 22.1 - 22.8 mg/L (Pimephales promelas) 96 h LC50 4.3 - 8.5 mg/L (Oncorhynchus mykiss) 96 h LC50 4.62 mg/L (Oncorhynchus mykiss) 96 h LC50 4.2 mg/L (Oncorhynchus mykiss) 96 h LC50 7.97 mg/L (Brachydanio rerio) 96 h LC50 9.9 - 20.1 mg/L (Brachydanio rerio) 96 h LC50 4.06 - 5.75 mg/L (Lepomis macrochirus) 96 h LC50 4.2 - 4.8 mg/L (Lepomis macrochirus) 96 h LC50 4.5 mg/L (Lepomis macrochirus) 96 h LC50 5.8 - 7.5 mg/L (Pimephales promelas) 96 h LC50 10.2 - 22.5 mg/L (Pimephales promelas) 96 h LC50 6.2 - 9.6 mg/L (Pimephales promelas) 96 h LC50 13.5 - 18.3 mg/L (Poecilia reticulata) 96 h LC50 10.8 - 16.6 mg/L (Poecilia reticulata) 96 h LC50 1.31 mg/L (Cyprinus carpio) 96 h LC50 15 - 18.9 mg/L (Pimephales promelas) 96 h	EC50 21.2 mg/L (Daphnia magna) 24 h EC50 1.8 mg/L (Daphnia magna) 48 h
hydrochloric acid	-	LC50 282 mg/L (Gambusia affinis) 96 h	-
sodium azide	EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h LC50 5.46 mg/L (Pimephales promelas) 96 h LC50 0.7 mg/L (Lepomis macrochirus) 96 h	LC100 1 mg/L (Orconectes rusticus) 96 h

Persistence and degradability

Kit Component	10007: DNA Binding Buffer
Persistence and degradability	Readily biodegradable

Bioaccumulation

Kit Component	10007: DNA Binding Buffer
Bioaccumulation	Not likely to bioaccumulate

Chemical Name	Octanol-Water Partition Coefficient
glycerol	-1.76
propan-2-ol	0.05
guanidinium chloride	-1.7
sodium dodecyl sulphate	1.6

Mobility No information available

Other adverse effects

No information available.

SECTION 13. Disposal considerations

Waste Disposal Methods

Dispose of in accordance with all applicable national environmental laws and regulations.

Disposal considerations

Do not empty into drains; dispose of this material and its container in a safe way.

SECTION 14. Transport information

This material is subject to regulation as a hazardous material for shipping:

DOT

UN number	UN1219
UN proper shipping name	Isopropanol
Transport hazard class(es)	3
Packing group	II
Special provisions	IB2, T4, TP1
Emergency response guide number	129

IATA

UN number	UN1219
UN proper shipping name	Isopropanol
Transport hazard class(es)	3
Packing group	II
ERG code	3L
Excepted Quantity	E2

SECTION 15. Regulatory information

North American Inventory Listing

Chemical Name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
glycerol	Listed	Not Listed	Listed	Not Listed
propan-2-ol	Listed	Not Listed	Listed	Not Listed
guanidinium chloride	Listed	Not Listed	Listed	Not Listed
Sodium diacetate	Listed	Not Listed	Listed	Not Listed
trometamol	Listed	Not Listed	Listed	Not Listed
glycine, N,N'-1,2-ethanediylbis[N-(carbo xymethyl)-, sodium salt, hydrate (1:2:2)]	Not Listed	Not Listed	Listed	Not Listed
sodium dodecyl sulphate	Listed	Not Listed	Listed	Not Listed
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phen ylether	Listed	Not Listed	Listed	Not Listed
hydrochloric acid	Listed	Not Listed	Listed	Not Listed
sodium azide	Listed	Not Listed	Listed	Not Listed

SARA 313

Refer to kit component SDS for full SARA Section 313 reporting requirements.

Chemical Name	CAS No	SARA 313 - Threshold Values %
propan-2-ol	67-63-0	1.0
hydrochloric acid	7647-01-0	1.0
sodium azide	26628-22-8	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Refer to kit component SDS for full Clean Water Act (CWA) reporting requirements.

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances	CWA - Bioaccumulative Chemicals of Concern (BCCs)
hydrochloric acid	5000 lb	Not Listed	Not Listed	Listed	Not Listed

CERCLA

Refer to kit component SDS for full Comprehensive Environmental Response Compensation and Liability Act (CERCLA) reporting requirements.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
hydrochloric acid	5000 lb	5000 lb
sodium azide	1000 lb	1000 lb

California Proposition 65

Refer to kit component SDS for full California Proposition 65 information.

U.S. State Right-to-Know Regulations

Refer to kit component SDS for applicable State Right-To-Know (RTK) information.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
glycerol	Listed	Listed	Listed

propan-2-ol	Listed	Listed	Listed
disodium hydrogenorthophosphate	Listed	Listed	Listed
hydrochloric acid	Listed	Listed	Listed
sodium azide	Listed	Listed	Listed

SECTION 16. Other information**Issuing Date:** 2017-08-20**Revision Date:** 2018-07-09**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet