

# **Safety Data Sheets**

# Visium HD Spatial Gene Expression

Kit, Visium HD Slide, 6.5 mm, 2 rxns PN-1000670

Reagents	PNs
Visium HD Slide, 6.5 mm	2000970



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

### ldentification

· Product Identifier

· Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

### · Product Number:

120217

120235

1000003

120265

220104

220112 2000209

1000264

1000267 2000360

1000324

2000443

2000444

1000350

1000358

1000372 1000376

2000538

 $\cdot 2000970$ 

- · Relevant identified uses of the substance or mixture and uses advised against:
- · Product Description: No further relevant information
- · Details of the Supplier of the Safety Data Sheet:
- · Manufacturer/Supplier:

10x Genomics

6230 Stoneridge Mall Road Pleasanton, CA 94588 USA

1 925 401 7300

https://www.10xgenomics.com/

Emergency telephone number: 1 925 401 7300

(Contd. on page 2)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

### 2 Hazard(s) Identification

· Classification of the substance or mixture:

The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.

- · Label elements:
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- NFPA ratings (scale 0 4)



Health = 0 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0 Fire = 0

REACTIVITY 0 Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

# 3 Composition/Information on Ingredients

- · Chemical characterization: Substance
- · Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:		
Proprietary	Acute Tox. 4, H302; Combustible Dust	4%
Proprietary	♦ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	2%
Proprietary		.1%

(Contd. on page 3)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide. 6.5 mm

### · Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

Trade secret made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard

### 4 First-Aid Measures

- · Description of first aid measures
- · General information: No special measures required.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally, the product does not irritate the skin.

Communication Standard and U.S. Code of Federal Regulations.

- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If swallowed and symptoms occur, consult a doctor.
- · Information for doctor
- · Most important symptoms and effects, both acute and delayed: No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

# 5 Fire-Fighting Measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### 6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: Do not allow product to reach sewage system or any water course.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 4)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

Dispose of the collected material according to regulations.

· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

PAC-1:

None of the ingredients are listed.

PAC-2:

None of the ingredients are listed.

PAC-3:

None of the ingredients are listed.

### 7 Handling and Storage

- · Handling
- · **Precautions for safe handling:** No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and receptacles: Store in the original container.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s): No further relevant information available.

### 8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: Does not apply.
- · Control parameters:
- Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information: The lists that were valid during the creation of this SDS were used as basis.

(Contd. on page 5)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

- · Exposure controls:
- · Personal protective equipment
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

- · Breathing equipment: Not required.
- Protection of hands: Not required.
- · Material of gloves: Not applicable.
- · Penetration time of glove material: Not applicable.

### 9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid
Color: Colorless
Odor: Odorless
Odor threshold: Not determined.

· **pH-value:** Acidic

· Change in condition

**Melting point/Melting range:** Not determined.

· Flash point: None

Flammability (solid, gaseous): Not applicable.
 Ignition temperature: 400 °C (752 °F)
 Decomposition temperature: Not determined.
 Auto igniting: Not determined.

• Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapor pressure: Not determined.

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

· Density:

Relative density:

Vapor density:

Not determined.

Not determined.

Evaporation rate:

Not determined.

· Solubility in / Miscibility with:

Water: Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

**Dynamic:** Not determined. **Kinematic:** Not determined.

· Solvent content:

Organic solvents: 7 %

· Other information: No further relevant information available.

### 10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

### 11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification:

**Proprietary** 

Oral LD50 1000 mg/kg (Rat)

- Primary irritant effect:
- On the skin: No irritating effect.

(Contd. on page 7)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

- On the eye: No irritating effect.
- · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- · Carcinogenic categories:
- · IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

### 12 Ecological Information

- · Toxicity:
- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- · Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · Results of PBT and vPvB assessment:
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

### 13 Disposal Considerations

- · Waste treatment methods
- · Recommendation: Smaller quantities can be disposed of with household waste.
- · Uncleaned packaging
- · **Recommendation:** Disposal must be made according to official regulations.



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

• Recommended cleansing agent: Water, if necessary with cleansing agents.

### 14 Transport Information

· UN-Number:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable. Special precautions for user: Not applicable.

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": Non-Regulated Material

### 15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture: No further relevant information available.
- · SARA (Superfund Amendments and Reauthorization):

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

Proprietary

TSCA (Toxic Substances Control Act):

None of the ingredients are listed.

- · California Proposition 65:
- · Chemicals known to cause cancer:

None of the ingredients are listed.

(Contd. on page 9)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

### · Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

New Jersey Right-to-Know List:

None of the ingredients are listed.

· New Jersey Special Hazardous Substance List:

None of the ingredients are listed.

Pennsylvania Right-to-Know List:

None of the ingredients are listed.

· Pennsylvania Special Hazardous Substance List:

None of the ingredients are listed.

- · Carcinogenic categories:
- · EPA (Environmental Protection Agency):

None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- National regulations:

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 12/10/2021 Reviewed on 12/10/2021

Trade Name: Single Cell 3' Gel Bead Kit

Single Cell 5' Gel Bead Kit

Chromium Single Cell 3' Gel Bead Kit v2

Single Cell 3' Gel Beads Single Cell 5' Gel Beads Single Cell VDJ 5' Gel Bead

Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 16 rxns Chromium Next GEM Single Cell 5' Gel Bead Kit v2, 4 rxns

Single Cell 3' LT Gel Beads v3.1

Chromium Next GEM Single Cell 3' LT Gel Bead Kit v3.1, 4 rxns

Strip, High Throughput SC 3' Gel Bead Strip, High Throughput SC 5' Gel Bead

Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 48 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 48 rxns Chromium Next GEM Single Cell 3' HT Gel Bead Kit v3.1, 8 rxns Chromium Next GEM Single Cell 5' HT Gel Bead Kit v2, 8 rxns

Single Cell TL v1 Gel Beads Visium HD Slide, 6.5 mm

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- · Contact:
- · Date of last revision/ revision number: 12/10/2021 / 23
- · Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skip Irrit 2: Skip corresion/irritation – Cat

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation - Category 2B

\* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106