



# SAFETY DATA SHEET (SDS)


according to Regulation (EC) No. 830/2015 amending 1907/2006

## Section 1: Identification of the substance/mixture and of the company/undertaking

<b>1.1</b>	<b>Product identifier:</b>	DNA Damage (8-OHdG) ELISA Kit
1.1a	Other means of identification:	.
1.1b	Alternative product name(s)/ synonyms:	.
1.1c	Product number/Catalog #(s):	9143
1.1d	Internal identification:	DNA Damage (8-OHdG) ELISA Kit
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against:</b>	For research use only. Not for use in diagnostic procedures.
1.2a	Brief description of what the substance or mixture is intended to do:	Colorimetric assay used to quantitatively measure 8-OHdG in a variety of sample types.
<b>1.3</b>	<b>Details of the supplier of the SDS:</b>	.
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
1.3b	Address:	9401 James Avenue South, Suite 155
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA
1.3d	Phone number:	1-800-829-3194 and 952-888-8788
1.3e	Fax number:	952-888-8988
1.3f	Website:	www.immunochemistry.com
1.3g	Email:	help@immunochemistry.com
1.3h	Contact person at ICT:	Quality Documentation Department
<b>1.4</b>	<b>Emergency telephone number:</b>	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide; ICT hours are 9 am-5 pm central time USA, Monday through Friday (excluding holidays). Chemtrec 24-hour access within USA and Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.

## Section 2: Hazards identification

<b>2.1</b>	<b>Classification of the substance or mixture:</b>	.
2.1a	Product is a:	Item is a multicomponent kit consisting of the following 7 mixtures: <ul style="list-style-type: none"> <li>• 8-Hydroxy-2-deoxyguanosine Standard</li> <li>• 8-OHdG HRP Conjugated Monoclonal Antibody</li> <li>• Sample and Standard Diluent</li> <li>• 8-Hydroxy-2-deoxyguanosine Antibody Diluent</li> <li>• Wash Buffer Concentrate, 10X</li> <li>• TMB Substrate</li> <li>• Stop Solution</li> </ul>
2.1b	Classification according to (EC) No. 1272/2008 {CLP}:	<p>* 8-Hydroxy-2-deoxyguanosine Standard (Part # 6646): Skin corrosion/irritation, 2, H315: Causes skin irritation. Serious eye damage/eye irritation, 2, H319: Causes serious eye irritation. Skin Sensitization 1, H317: May cause an allergic skin reaction.</p> <p>* Sample and Standard Diluent (Part # 6648): Skin corrosion/irritation, 2, H315: Causes skin irritation. Serious eye damage/eye irritation, 2, H319: Causes serious eye irritation. Skin Sensitization 1, H317: May cause an allergic skin reaction.</p> <p>* 8-Hydroxy-2-deoxyguanosine Antibody Diluent (Part # 6649): Skin corrosion/irritation, 2, H315: Causes skin irritation. Serious eye damage/eye irritation, 2, H319: Causes serious eye irritation. Skin Sensitization 1, H317: May cause an allergic skin reaction.</p> <p>* Stop Solution (Part # 6652): Skin Corrosion/skin irritation, 1, H314: Causes severe burns and eye damage. Serious eye damage/eye irritation, 1, H318: Causes serious eye damage.</p> <p>* Wash Buffer Concentrate, 10X (Part # 6650): Skin corrosion/irritation, 2, H315: Causes skin irritation. Serious eye damage/eye irritation, 2, H319: Causes serious eye irritation. Skin Sensitization 1, H317: May cause an allergic skin reaction.</p> <p>* The product components are classified as hazardous according to Regulation (EC) 1272/2008 as amended.</p>
2.1c	The most important adverse physiochemical, human health, and environmental effects:	Refer to Sections 9-12.

<b>2.2</b>	<b>Label elements:</b>	.
2.2a	GHS label elements, including precautionary statements:	.
2.2b	Contains:	Contains hydrochloric acid at 3.2% and ProClin® at 0.1%
2.2c	Labeling in accordance with (EC) No. 1272/2008:	.
2.2d	Hazard Pictograms (Hazard Symbols):	 GHS07 Exclamation mark.
2.2e	Signal word:	Warning.
2.2f	Hazard statements:	H319, Causes serious eye irritation. H315, Causes skin irritation. H317, May cause an allergic skin reaction.
2.2g	Precautionary statements:	P280 - Wear protective gloves. Wear eye or face protection. P261 - Avoid breathing vapor. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 - Dispose of contents and container in accordance with all local, regional, national, and international regulations.
2.2h	Supplementary precaution statements:	None.
<b>2.3</b>	<b>Other hazards:</b>	No information available.
2.3a	Does the chemical meet the criteria for PBT or vPvB?	Not applicable.
2.3b	Other hazards which do not result in classification:	No information available.


**Section 3: Composition/information on ingredients**

<b>3.1</b>	<b>Substance:</b>	Item is a mixture therefore Section 3.1 is not applicable; see Section 3.2.		
<b>3.2</b>	<b>Mixture:</b> The chemical identity and concentration or concentration ranges of all ingredients which are hazardous and are present above their cut-off levels:	Item is a multicomponent kit consisting of the following 7 mixtures: <ul style="list-style-type: none"> <li>• 8-Hydroxy-2-deoxyguanosine Standard</li> <li>• 8-OHdG HRP Conjugated Monoclonal Antibody</li> <li>• Sample and Standard Diluent</li> <li>• 8-Hydroxy-2-deoxyguanosine Antibody Diluent</li> <li>• Wash Buffer Concentrate, 10X</li> <li>• TMB Substrate</li> <li>• Stop Solution</li> </ul>		
	3.2a Chemical identity:	8-Hydroxy-2-deoxyguanosine Standard (contains ProClin®); Sample and Standard Diluent (contains ProClin®); 8-Hydroxy-2-deoxyguanosine Antibody Diluent (contains ProClin®) Wash Buffer Concentrate, 10X (contains ProClin®)		
	3.2b Common name, synonyms, etc.:	ProClin®		
	<u>3.2c CAS number and other unique identifiers:</u>	<u>3.2d EC number:</u>	<u>3.2e % Concentration:</u>	<u>3.2f Classification according to (EC) No. 1272/2008 {CLP}:</u>
	CAS: 55965-84-9 Index: 613-167-00-5	Not available.	0.10%	Acute Toxicity, Oral, 3, H301: Toxic if swallowed. Acute Toxicity, Dermal, 3, H311: Toxic in contact with skin. Acute Toxicity, Inhalation, 3, H331: Toxic if inhaled. Skin Corrosion, 1B, H314: Causes severe skin burns and eye damage Eye Damage, 1, H318: Causes serious eye damage. Skin Sensitization, 1, H317: May cause an allergic skin reaction. Aquatic Acute, 1, H400: Very toxic to aquatic life. Aquatic Chronic, 1, H410: Very toxic to aquatic life with long lasting effects.
3.2g	Other ingredient:	.		
	3.2h Chemical identity:	Stop Solution (contains Hydrochloric Acid)		
	3.2i Common name, synonyms, etc.:	Hydrochloric Acid		
	<u>3.2j CAS number and other unique identifiers:</u>	<u>3.2k EC number:</u>	<u>3.2l % Concentration:</u>	<u>3.2m Classification according to (EC) No. 1272/2008 {CLP}:</u>
	CAS: 7647-01-1 Index: 017-002-01-X	231-595-7	3.20%	Skin Corrosion/Irritation 1B, H314: Causes severe skin burns and eye damage. Eye Damage 1, H318: Causes serious eye damage. STOT-SE 3, H335: May cause respiratory irritation.

<b>Section 4: First aid measures</b>		
<b>4.1</b>	<b>Description of first aid measures:</b>	.
4.1a	Inhalation:	Remove to fresh air and keep at rest in a comfortable position for breathing. Seek medical attention if respiratory symptoms develop.
4.1b	Skin contact:	Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation or discomfort develops, seek medical attention.
4.1c	Eye contact:	Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
4.1d	Ingestion:	Get medical attention immediately. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed:</b>	.
4.2a	Inhalation:	None known.
4.2b	Skin contact:	Causes skin irritation. May cause an allergic skin reaction.
4.2c	Eye contact:	Causes serious eye irritation.
4.2d	Ingestion:	None known.
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed:</b>	No additional information available.
4.3a	Notes to physician/first responder:	Treat symptomatically.
<b>Section 5: Firefighting measures</b>		
<b>5.1</b>	<b>Extinguishing media:</b>	.
5.1a	Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
5.1b	Unsuitable extinguishing media:	None known.
<b>5.2</b>	<b>Special hazards arising from the substance or mixture:</b>	Refer to Section 10 for additional information
5.2a	Hazardous combustion products:	Thermal decomposition may liberate toxic gases or fumes.
5.2b	Unusual fire & explosion hazards:	Emits toxic fumes under fire conditions.
5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>5.3</b>	<b>Advice for firefighters:</b>	.
5.3a	Special firefighting procedures:	No specific firefighting procedure given.
5.3b	Special protective equipment and precautions for firefighters:	Use protective equipment appropriate for surrounding materials. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>Section 6: Accidental release measures</b>		
<b>6.1</b>	<b>Personal precautions, protective equipment, and emergency procedures:</b>	.
6.1a	General release measures:	No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).
6.1b	Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:	Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
6.1c	Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
<b>6.2</b>	<b>Environmental precautions:</b>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.
<b>6.3</b>	<b>Methods and materials for containment and clean up:</b>	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water.
<b>6.4</b>	<b>Reference to other sections:</b>	Refer to Sections 8 and 13 for additional information.
<b>Section 7: Handling and storage</b>		
<b>7.1</b>	<b>Precautions for safe handling:</b>	Avoid getting components of this kit on you or in you. Always wear appropriate personal protective clothing. Always wash hands and other exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. Only qualified and experienced professionals should handle this kit.

7.1a	Prevent handling of incompatible substances or mixtures:	Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not is use. Empty containers retain product residue and can be hazardous. Do not reuse container.
7.1b	Advice on general occupational hygiene:	No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2	<b>Conditions for safe storage, including any incompatibilities:</b>	Store according to package insert instructions.
7.3	<b>Specific end use(s):</b>	For research use only. Not for use in diagnostic procedures.

**Section 8: Exposure controls/personal protection**

<b>8.1</b>	<b>Control parameters:</b>	
8.1a	Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin.	<p>Stop Solution (Hydrochloric Acid):</p> <p>EH40/2005 WELs (United Kingdom, 12-2011)                      STEL: 8 mg/m<sup>3</sup> 15 minutes.                      STEL: 5 ppm 15 minutes.                      TWA: 2 mg/m<sup>3</sup> 8 hours.                      TWA: 1 ppm 8 hours.</p> <p>ACGIH TLV (United States, 3-2015)                      C: 2 ppm                      CEIL: 5 ppm                      CEIL: 7 mg/m<sup>3</sup></p> <p>NIOSH REL (United States, 10/2013)                      CEIL: 5 ppm                      CEIL: 7 mg/m<sup>3</sup></p> <p>OSHA PEL (United States, 2-2013)                      CEIL: 5 ppm                      CEIL: 7 mg/m<sup>3</sup></p>
8.1b	Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas.
8.1c	Individual protection measures, such as personal protective equipment:	Wear gloves. Wear protective goggles. Wear lab coat with full coverage clothing.
8.1d	Safety symbols:	
<b>8.2</b>	<b>Exposure controls:</b>	.
8.2a	Process conditions:	Provide eyewash station.
8.2b	Engineering controls:	Local exhaust ventilation is recommended for providing adequate ventilation. Ensure that eyewash stations and safety showers are proximal to the workstation location.
8.2c	Ventilation controls:	Provide adequate ventilation.
8.2d	Reference to other sections:	Refer to section 5 for additional information.
8.2e	Eye/face protection:	Chemical goggles or safety glasses.
8.2f	Skin protection:	Wear suitable protective clothing. Wear long sleeves.
8.2g	Hand protection:	Use suitable protective gloves if risk of skin contact.
8.2h	Respiratory equipment:	Respiratory protection is not required. Where excessive dust may result, use NIOSH approved respiratory protection equipment.
8.2i	Other protection:	Wear appropriate clothing to prevent any possibility of skin contact.
8.2j	Hygiene measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated.
8.2k	Thermal hazards:	None known.
8.2l	Environmental exposure controls:	Do not let product enter drains.

**Section 9: Physical and chemical properties**

<b>9.1</b>	<b>Information on basic physical and chemical properties:</b>	.
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9.1a	Appearance (physical state, color, etc.):	<ul style="list-style-type: none"> <li>• 8-Hydroxy-2-deoxyguanosine Standard: Clear, Colorless Liquid</li> <li>• 8-OHdG HRP Conjugated Monoclonal Antibody: Clear, Colorless Liquid</li> <li>• Sample and Standard Diluent: Clear, Colorless Liquid</li> <li>• 8-Hydroxy-2-deoxyguanosine Antibody Diluent: Clear, Colorless Liquid</li> <li>• Wash Buffer Concentrate, 10X: Clear, Colorless Liquid</li> <li>• TMB Substrate: Clear, Colorless Liquid</li> <li>• Stop Solution: Clear, Colorless Liquid</li> </ul>
9.1b	Odor:	Pungent (Hydrochloric Acid); Odorless (ProClin®)
9.1c	Odor threshold:	Not available
9.1d	pH:	<ul style="list-style-type: none"> <li>• 8-Hydroxy-2-deoxyguanosine Standard: 7.2</li> <li>• 8-OHdG HRP Conjugated Monoclonal Antibody: 6.2-6.7</li> <li>• Sample and Standard Diluent: 7.2</li> <li>• 8-Hydroxy-2-deoxyguanosine Antibody Diluent: 7.2</li> <li>• Wash Buffer Concentrate, 10X: 7.4</li> <li>• TMB Substrate: 3.3-3.8</li> <li>• Stop Solution: &lt; 1</li> </ul>
9.1e	Melting point/freezing point (°C):	Not available.
9.1f	Initial boiling point and boiling range:	Not available.
9.1g	Flash point (°C):	Not available.
9.1h	Evaporation rate:	Not available.
9.1i	Flammability (solid, gas):	Not available.
9.1j	Upper/lower flammability or explosive limits:	Not available.
9.1k	Vapor pressure:	Essentially the same as water (Hydrochloric Acid); N/A (ProClin®)
9.1l	Vapor density (Air =1):	N/A
9.1m	Relative density:	N/A
9.1n	Solubility(ies):	Not available.
9.1o	Partition coefficient (N-octanol/water):	Not available.
9.1p	Auto-ignition temperature (°C):	N/A
9.1q	Decomposition temperature (°C):	Not available.
9.1r	Viscosity:	Not available.
9.1s	Explosive properties:	Not available.
9.1t	Oxidizing properties:	Not available.
<b>9.2</b>	<b>Other information:</b>	Not available.
9.2a	Other physical or chemical parameters:	Not available.

**Section 10: Stability and reactivity**

<b>10.1</b>	<b>Reactivity:</b>	This material is stable until the expiration date on the kit if stored as directed.
<b>10.2</b>	<b>Chemical stability:</b>	Stable under recommended handling and storage conditions (see Section 7). Hydrochloric acid reacts violently with some bases; release of heat.
<b>10.3</b>	<b>Possibility of hazardous reactions:</b>	Not available.
<b>10.4</b>	<b>Conditions to avoid:</b>	Not available.
<b>10.5</b>	<b>Incompatible materials:</b>	Cyanides, sulfides, sulfites, and formaldehyde (Hydrochloric acid); Strong oxidizing agents, reducing agents, amines, and mercaptans (ProClin®).
<b>10.6</b>	<b>Hazardous decomposition products:</b>	Hydrogen chloride gas (Hydrochloric acid); N/A (ProClin®)

**Section 11: Toxicological information**

<b>11.1</b>	<b>Information on toxicological effects:</b>	Not available.
11.1a	Name:	Hydrochloric Acid; ProClin®
11.1b	Acute toxicity:	ProClin®: Result: LD50 Oral Species: Rat Dose: 53 mg/kg Exposure: N/A
11.1c	Skin corrosion/irritation:	ProClin® (8-Hydroxy-2-deoxyguanosine Standard, Sample and Standard Diluent, 8-hydroxy-2-deoxyguanosine Antibody Diluent, and Wash Buffer Concentrate, 10X): Result: Skin - Severe irritant Species: Human, Rabbit Score: - Exposure: 0.01 Percent  Hydrochloric Acid (Stop Solution): Result: Skin - Mild Irritant Species: Human Exposure: 24 hours 4 Percent

11.1d	Serious eye damage/irritation:	Hydrochloric Acid (Stop Solution): Result: Eyes - Mild Irritant Species: Rabbit Exposure: 0.5 minutes 5 milligrams
11.1e	Respiratory or skin sensitization:	Not available.
11.1f	Germ cell mutagenicity:	Not available.
11.1g	Carcinogenicity:	Not available.
11.1h	Reproductive toxicity:	Not available.
11.1i	STOT-single exposure:	Hydrochloric Acid (Stop Solution): Category: 3 Route of exposure: Not applicable. Target Organs: Respiratory tract irritation
11.1j	STOT-repeated exposure:	Not available.
11.1k	Aspiration hazard:	Not available.
11.1l	Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Not available.
11.1m	Ingestion:	Not known.
11.1n	Inhalation:	Not known.
11.1o	Skin contact:	Causes skin irritation. May cause an allergic skin reaction.
11.1p	Eye contact:	Causes serious eye irritation.
11.1q	Symptoms related to the physical, chemical and toxicological characteristics:	.
11.1r	Delayed and immediate effects as well as chronic effects from short and long term exposure:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels (ProClin®).
11.1s	Numerical measures of toxicity (such as acute toxicity estimates):	ProClin® (8-Hydroxy-2-deoxyguanosine Standard, Sample and Standard Diluent, 8-hydroxy-2-deoxyguanosine Antibody Diluent, and Wash Buffer Concentrate, 10X): • Oral: 53000 mg/kg • Dermal: 300000 mg/kg • Inhalation (vapors): 3000 mg/L
11.1t	Interactive effects:	Not determined.
11.1u	Absence of specific data:	Not applicable.
11.1v	Mixtures:	Multi-component kit consisting of 7 mixtures.
11.1w	Mixture vs. substance information:	See Section 3 for any substances in the mixture.
11.1x	Classification by National Toxicity Program (NTP):	Not classified.
11.1y	Classification by International Agency for Research on Cancer (IARC):	Not classified.
11.1z	Classification by OSHA 13:	Not classified.
11.1ab	Other information:	None.

**Section 12: Ecological information**

<b>12.1</b>	<b>Toxicity:</b>	.
12.1a	Name:	Hydrochloric Acid; ProClin®.
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	No data available.
<b>12.2</b>	<b>Persistence and degradability:</b>	No data available.
<b>12.3</b>	<b>Bioaccumulative potential:</b>	No data available.
<b>12.4</b>	<b>Mobility in soil:</b>	No data available.
<b>12.5</b>	<b>Results of PBT and vPvB assessment:</b>	No data available.
<b>12.6</b>	<b>Other adverse effects:</b>	No data available.

**Section 13: Disposal considerations**

<b>13.1</b>	<b>Waste treatment methods:</b>	When handling waste, consideration should be made to the safety precautions applying to the handling of this product.
13.1a	Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS.

**Section 14: Transport information**

<b>14.1</b>	<b>UN number:</b>	1789.
<b>14.2</b>	<b>UN proper shipping name:</b>	Hydrochloric acid.
<b>14.3</b>	<b>Transport hazard class(es):</b>	Hazard Label: Class 8
<b>14.4</b>	<b>Packing group:</b>	U.S and Canadian Transportation (DOT) Packing Group: N/A; International Air Transportation (IATA) Packing Group: III
<b>14.5</b>	<b>Environmental hazards:</b>	Not available.
14.5a	Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	Not available.
14.5b	Is it a marine pollutant according to the IMDG code?:	Not available.
<b>14.6</b>	<b>Special precautions for user:</b>	Not available.

14.7	Transport in bulk according to Annex II of MARPOL and the IBC code:	Not available.
14.7a	Other information:	This product conforms to 49 CFR 173.4 for domestic highway or rail transport only. For air, this product contains dangerous goods in excepted quantities.
14.7b	Classification for other modes of transport:	Contact supplier for other modes.
<b>Section 15: Regulatory information</b>		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:	Not available.
15.1a	Regional safety, health and environmental regulations specific for the product in question:	.
15.1b	USA SARA Components (such as 302/311/313):	SARA 302/304: Hydrochloric acid (EHS: Yes) 302 TPQ 500 lbs; 304 RQ 5000 lbs SARA 311/312: Immediate Acute Health Hazard SARA 313 Form R / Supplier Notification: Hydrochloric Acid 3.2%
15.1c	USA Massachusetts Right to Know:	Listed. Hydrochloric Acid.
15.1d	USA Pennsylvania Right to Know:	Listed. Hydrochloric Acid.
15.1e	USA New Jersey Right to Know:	Listed. Hydrochloric Acid.
15.1f	USA California Prop. 65 Components:	Not listed.
15.1g	EU Regulation 1907/2006 (REACH):	.
15.1h	Annex XIV substances subject to authorization:	Not listed.
15.1i	Substances of very high concern:	Not listed.
15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
15.1k	Guidance notes:	Workplace exposure limits EH40.
15.1l	EU legislation references:	(EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation). EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2	Chemical safety assessment:	Not required.
15.2a	Other regulatory information:	None.
<b>Section 16: Other information</b>		
16.1	Other information:	.
16.1a	Date of revision:	January 22, 2016
16.1b	SDS number and revision:	F18-9143-3-A
16.1c	Supersedes SDS number and revision:	None
16.1d	Changes made to the previous version of the SDS:	New document. Updated to comply with EC 1272/2008 CLP regulations, EC 830/2015.
16.1e	Key/legend to abbreviations and acronyms used in the SDS:	ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. EC European Commission. CMR Carcinogen Mutagen or Reproductive Toxicant. COD Chemical Oxygen Demand. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. ELINCS European List of Notified Chemical Substances. EU European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container.

		<p>IC50 Half maximal inhibitory concentration.                  IMDG International Maritime Dangerous Goods.                  LC50 Median lethal concentration. LD50 Median lethal dose.                  LogPow logarithm of the octanol/water partition coefficient.                  MARPOL 73/78 International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.                  OEL Occupational Exposure Limit.                  OSHA Occupational Safety and Health Administration (USA).                  PBT Persistent, Bioaccumulative, and Toxic.                  RID The Regulations concerning the International Carriage of Dangerous Goods by Rail.                  SADT Self-accelerating Decomposition Temperature.                  SARA Superfund Amendments and Reauthorization Act.                  SCBA Self-Contained Breathing Apparatus.                  SDS Safety Data Sheet.                  STOT Specific Target Organ Toxicity.                  STOT-RE Specific Target Organ Toxicity - Repeated Exposure.                  STOT-SE Specific Target Organ Toxicity - Single Exposure.                  UN United Nations.                  USA United States of America.                  vPvB very Persistent very Bioaccumulative.</p>
16.1f	Full text of hazard statements and/or precautionary statements not written out in full elsewhere:	All statements were written out in full.
<b>DISCLAIMER:</b>	<p><b>This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.</b></p>	
<p><b>END OF SDS</b></p>		