




# 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>	Nigericin
1.1a	Other means of identification:	.
1.1b	Alternative product name(s)/ synonyms:	Nigericin sodium salt
1.1c	Product number/Catalog #(s):	6698
1.1d	Internal identification:	Nigericin
<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:	NLRP inflammasome/caspase-1 inducing agent
<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:	Substance.
2.1b	Classification according to (EC) No. 1272/2008 {CLP}:	Acute toxicity, Oral (Category 3), H301 Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
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:	Nigericin sodium salt
2.2c	Labeling in accordance with (EC) No. 1272/2008:	.
2.2d	Hazard Pictograms (Hazard Symbols):	 <p>GHS06 Skull and Crossbones.</p>
2.2e	Signal word:	Danger.
2.2f	Hazard statements:	H301 Toxic if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
2.2g	Precautionary statements:	P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/eye protection/face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

		Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you fell unwell. P321 Specific treatment (see supplemental first aid instructions on this label). P330 Rinse mouth. P332 + P313 If skin irritation occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.		
2.2h	Supplementary precaution statements:	None.		
<b>2.3</b>	<b>Other hazards:</b>	.		
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.		
<b>Section 3: Composition/information on ingredients</b>				
<b>3.1</b>	<b>Substance:</b>	Item is a substance.		
	3.1a Chemical identity:	Nigericin sodium salt		
	3.1b Common name, synonyms, etc.:	Helexin C Polyetherin A Azalomycin M Antibiotic X464 Antibiotic K178		
	<u>3.1c CAS number and other unique identifiers:</u>	<u>3.1d EC number:</u>	<u>3.1e % Concentration:</u>	<u>3.1f Classification according to (EC) No. 1272/2008 {CLP}:</u>
	28643-80-3	608-231-4	≤ 100%	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H301, H315, H319, H335
3.1g	Chemical identity of any impurity, stabilizing additive, or individual constituent other than the main constituent, which is itself classified and which contributes to the classification (such as product identifier, trade name, identification numbers):	None.		
3.1h	Other information on the substance:	Formula: C <sub>40</sub> H <sub>67</sub> NaO <sub>11</sub> CAS-No.: 28643-80-3 Molecular Weight: 746.94 g/mol		
<b>Section 4: First aid measures</b>				
<b>4.1</b>	<b>Description of first aid measures:</b>	.		
4.1a	Inhalation:	Due to the small packaging the risk of inhalation is minimal. Remove to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Rinse nose and mouth with water. Get medical attention if any discomfort continues.		
4.1b	Skin contact:	Wash skin thoroughly with soap and water for several minutes; continue to rinse for at least 15 minutes. Remove any contaminated clothing and shoes and wash thoroughly before reuse. Get medical attention if any discomfort continues.		
4.1c	Eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.		
4.1d	Ingestion:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if any discomfort continues.		
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed:</b>	The most important known symptoms and effects are described in the labeling (see Section 2.2) and/or in Section 11.		
4.2a	Inhalation:	May cause respiratory irritation.		
4.2b	Skin contact:	Causes skin irritation.		
4.2c	Eye contact:	Causes serious eye irritation.		
4.2d	Ingestion:	Toxic if swallowed.		
<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. Refer to Sections 5-8 for advice on personal protective equipment.		

<b>Section 5: Firefighting measures</b>		
<b>5.1</b>	<b>Extinguishing media:</b>	Use fire-extinguishing media appropriate for the surrounding materials.
5.1a	Suitable extinguishing media:	Water spray, foam, dry powder, or carbon dioxide.
5.1b	Unsuitable extinguishing media:	None known.
<b>5.2</b>	<b>Special hazards arising from the substance or mixture:</b>	Product is not explosive. No dangerous reactions known under normal conditions of use.
5.2a	Hazardous combustion products:	Carbon oxides, sodium oxides
5.2b	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials.
<b>5.3</b>	<b>Advice for firefighters:</b>	Wear self contained breathing apparatus for fire fighting if necessary.
5.3a	Special firefighting procedures:	No specific firefighting procedure given.
5.3b	Special protective equipment and precautions for firefighters:	Wear full protective clothing, including self-contained breathing apparatus, if necessary.
<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:	Wear suitable protective clothing, gloves and eye or face protection. Use in well-ventilated area. Avoid dust formation. Avoid all personal contact, including skin contact, eye contact, and inhalation of vapors, mist, or gas. Consult professional emergency personnel if concerned (see Section 8). Clean up spills immediately. Place in suitable, closed container for disposal.
6.1b	Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Consult professional emergency personnel if concerned.
6.1c	Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).
<b>6.2</b>	<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains, sewers, or watercourses.
<b>6.3</b>	<b>Methods and materials for containment and clean up:</b>	Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable container for disposal in accordance with local waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage, dust, or vapor.
<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>	Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition.
7.1a	Prevent handling of incompatible substances or mixtures:	Do not store near incompatible materials (see Section 10).
7.1b	Advice on general occupational hygiene:	Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities:</b>	Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses.
<b>7.3</b>	<b>Specific end use(s):</b>	For research use only. Not for use in diagnostic procedures.
<b>Section 8: Exposure controls/personal protection</b>		
<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.	Contains no substances with occupational exposure limit values.
8.1b	Appropriate engineering controls:	Avoid contact with skin, eyes, and clothing. Wash hands before breaks

		and immediately after handling the product.
8.1c	Individual protection measures, such as personal protective equipment:	Wear gloves, lab coat, and protective goggles
8.1d	Safety symbols:	
<b>8.2</b>	<b>Exposure controls:</b>	.
8.2a	Process conditions:	Provide eyewash station.
8.2b	Engineering controls:	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:	Use equipment for eye/face protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
8.2f	Skin protection:	Wear apron or protective clothing in case of contact.
8.2g	Hand protection:	Handle with approved protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of the customer and their anticipated use. It should not be construed as offering an approval for any specific use scenario.
8.2h	Respiratory equipment:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
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 under normal conditions of use.
8.2l	Environmental exposure controls:	Not determined.
<b>Section 9: Physical and chemical properties</b>		
<b>9.1</b>	<b>Information on basic physical and chemical properties:</b>	.
9.1a	Appearance (physical state, color, etc.):	White powder.
9.1b	Odor:	No data available.
9.1c	Odor threshold:	No data available.
9.1d	pH:	No data available.
9.1e	Melting point/freezing point (°C):	No data available.
9.1f	Initial boiling point and boiling range:	No data available.
9.1g	Flash point (°C):	No data available.
9.1h	Evaporation rate:	No data available.
9.1i	Flammability (solid, gas):	No data available.
9.1j	Upper/lower flammability or explosive limits:	No data available.
9.1k	Vapor pressure:	No data available.
9.1l	Vapor density (Air =1):	No data available.
9.1m	Relative density:	No data available.
9.1n	Solubility(ies):	No data available.
9.1o	Partition coefficient (N-octanol/water):	No data available.
9.1p	Auto-ignition temperature (°C):	No data available.
9.1q	Decomposition temperature (°C):	No data available.
9.1r	Viscosity:	No data available.
9.1s	Explosive properties:	No data available.
9.1t	Oxidizing properties:	No data available.

9.2	<b>Other information:</b>	No data available.
9.2a	Other physical or chemical parameters:	None.
<b>Section 10: Stability and reactivity</b>		
10.1	<b>Reactivity:</b>	No data available.
10.2	<b>Chemical stability:</b>	Stable under recommended storage conditions.
10.3	<b>Possibility of hazardous reactions:</b>	No data available.
10.4	<b>Conditions to avoid:</b>	No data available.
10.5	<b>Incompatible materials:</b>	Strong acids and strong bases.
10.6	<b>Hazardous decomposition products:</b>	No data available. In the event of fire: see Section 5.
<b>Section 11: Toxicological information</b>		
11.1	<b>Information on toxicological effects:</b>	.
11.1a	Name:	Nigericin
11.1b	Acute toxicity:	Dermal: no data available. LD50 Intraperitoneal - mouse - 48 mg/kg
11.1c	Skin corrosion/irritation:	No data available.
11.1d	Serious eye damage/irritation:	No data available.
11.1e	Respiratory or skin sensitization:	No data available.
11.1f	Germ cell mutagenicity:	No data available.
11.1g	Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
11.1h	Reproductive toxicity:	No data available. Reproductive toxicity - mouse – Intraperitoneal Effects on Fertility: Post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants). Effect on Embryo or Fetus: Fetotoxicity (except death, e.g. stunted fetus). No data available. Developmental Toxicity - mouse – Intraperitoneal Effects on Embryo or Fetus: Fetotoxicity (except death, e.g. stunted fetus). Developmental Toxicity - mouse – Intraperitoneal Effects on Embryo or Fetus: Fetal death. Developmental Toxicity - mouse – Intraperitoneal Specific Developmental Abnormalities: Central nervous system. Specific Developmental Abnormalities: Craniofacial (including nose and tongue). Specific Developmental Abnormalities: Musculoskeletal system.
11.1i	STOT-single exposure:	Inhalation - May cause respiratory irritation.
11.1j	STOT-repeated exposure:	No data available.
11.1k	Aspiration hazard:	No data available.
11.1l	Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	May enter by skin and/or eye contact; inhalation of vapors/mist/dust.
11.1m	Ingestion:	Toxic if swallowed.
11.1n	Inhalation:	May cause respiratory irritation.
11.1o	Skin contact:	Causes skin irritation.
11.1p	Eye contact:	Causes serious eye irritation.
11.1q	Symptoms related to the physical, chemical and toxicological characteristics:	No specific symptoms noted.
11.1r	Delayed and immediate effects as well as chronic effects from short and long term exposure:	Not determined.
11.1s	Numerical measures of toxicity (such as acute toxicity estimates):	Not determined.
11.1t	Interactive effects:	Not determined.
11.1u	Absence of specific data:	Not applicable.
11.1v	Mixtures:	Not applicable.
11.1w	Mixture vs. substance information:	Not applicable.
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:	RTECS: QT6840000
<b>Section 12: Ecological information</b>		
12.1	<b>Toxicity:</b>	No data available.
12.1a	Name:	Nigericin.
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	No data available.
12.2	<b>Persistence and degradability:</b>	No data available.
12.3	<b>Bioaccumulative potential:</b>	No data available.
12.4	<b>Mobility in soil:</b>	No data available.
12.5	<b>Results of PBT and vPvB assessment:</b>	Not determined.
12.6	<b>Other adverse effects:</b>	No data available.
<b>Section 13: Disposal considerations</b>		
13.1	<b>Waste treatment methods:</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the 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
<b>Section 14: Transport information</b>		
14.1	<b>UN number:</b>	3462
14.2	<b>UN proper shipping name:</b>	Toxins, extracted from living sources, solid, n.o.s. (Nigericin, monosodium salt)
14.3	<b>Transport hazard class(es):</b>	6.1.
14.4	<b>Packing group:</b>	III
14.5	<b>Environmental hazards:</b>	None.
14.5a	Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No.
14.5b	Is it a marine pollutant according to the IMDG code?:	No.
14.6	<b>Special precautions for user:</b>	None.
14.7	<b>Transport in bulk according to Annex II of MARPOL and the IBC code:</b>	Not applicable.
14.7a	Other information:	DOT Special provisions (§172.102): 141, IB8, IP3, T1 TP33
14.7b	Classification for other modes of transport:	Contact supplier.
<b>Section 15: Regulatory information</b>		
15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	.
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: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards: Acute Health Hazard.
15.1c	USA Massachusetts Right to Know:	No components are subjected to the Massachusetts Right to Know Act.
15.1d	USA Pennsylvania Right to Know:	Nigericin, monosodium salt. CAS-No. 28643-80-3
15.1e	USA New Jersey Right to Know:	Nigericin, monosodium salt. CAS-No. 28643-80-3
15.1f	USA California Prop. 65 Components:	This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.
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	<b>Chemical safety assessment:</b>	Not required.
15.2a	Other regulatory information:	None.
<b>Section 16: Other information</b>		
16.1	<b>Other information:</b>	HMIS Rating Health Hazard: 2 Chronic Health Hazard: Flammability: 0 Physical Hazard: 0NFPA Rating Health Hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0
16.1a	Date of revision:	February 21, 2017
16.1b	SDS number and revision:	F17-6698-2-B
16.1c	Supersedes SDS number and revision:	None
16.1d	Changes made to the previous version of the SDS:	No significant changes; just changed revision to B as updated related documents and labels.
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. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. EC European Commission. 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. 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. 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.
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>	<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>	
<b>END OF SDS</b>		