

werfen	SDS - Safety Data Sheet				STATUS	Controlled
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	Product Name	ACT-LR Cuvette, IL P/N 06260040000				

IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Identification of the product:

Product Name: **ACT-LR JR CUVETTE, GACT-LR CARTRIDGE**

Product Number: **06260040000, JACT-LR, 000GACT-LR**

Use of the product: For in vitro diagnostic use.

Company identification:

MANUFACTURER:

Accriva Diagnostics, Inc.
6260 Sequence Dr.
San Diego, CA 92121 USA
Tel. +1 800 579 2255
Fax +1 858 314 6701

DISTRIBUTOR EU:

Via Leonardo da Vinci, 36
20877 Roncello (MB), Italy

DISTRIBUTOR US/CANADA:

Instrumentation Laboratory Co.
180 Hartwell Road,
Bedford, MA 01730-2443 USA

DISTRIBUTOR AUSTRALIA:

Werfen Australia Pty Limited
59-61 Dickson Avenue
Artarmon, NSW 2064 Australia
Tel. 1300 369 132

E-mail address of the competent person: infosds@mail.ilww.it

Emergency phone: +44 (0) 3700 492 795
+1 215 207 0061 (USA and Canada)

INFORMATION ON COMPOSITION/HAZARD OF THE PRODUCT

P/N	Component name	Mixture classification According to Hazard Communication Standard, 29 CFR 1910.1200 (HCS) Hazardous Product Regulation HPR (WHMIS 2015)	Mixture classification According to 1272/2008/EC Regulation	Product configuration
JACT-LR, 000GACT-LR	ACT-LR JR CUVETTE, GACT-LR CARTRIDGE	Not classified	Not classified	1 cartridge x 45

****Environmental classification according to Reg. N. 1272/2008 (EC) and subsequent amendments.**

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SECTION 1. IDENTIFICATION OF COMPANY

1.1 Identification of the mixture:

Product Name: **ACT-LR JR CUVETTE, GACT-LR CARTRIDGE**
 Product Number: **06260040000, JACT-LR, 000GACT-LR**

1.2 Use of the mixture:

Relevant use: For in vitro diagnostic use.
 Uses advised against: There are no specific uses advised against.

1.3 Company identification:

MANUFACTURER:
 Accriva Diagnostics, Inc.
 6260 Sequence Dr.
 San Diego, CA 92121 USA
 Tel. +1 800 579 2255
 Fax +1 858 314 6701

DISTRIBUTOR EU:
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E-mail address of the competent person: infosds@mail.ilww.it

1.4 Emergency phone:

+44 (0) 3700 492 795
 +1 215 207 0061 (USA and Canada)

SECTION 2. IDENTIFICATION OF MIXTURE

Name	Product Identifier	% Composition, w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1H-Imidazole	(CAS No) 288-32-4 (EC No) 206-019-2	<0.002	Not classified
Silicon Dioxide (Silica)	(CAS No) 14808-60-7 (EC No) 238-878-4	<0.002	Not classified
Sodium Chloride	(CAS No) 7647-14-5 (EC No) 231-598-3	<0.002	Not classified

SECTION 3. HAZARDS IDENTIFICATION

3.1 Classification of mixture:

This product is classified as **non-hazardous** according to Regulations (EC) No 1272/2008, OSHA 29 CFR 1910.1200, and Hazardous Product Regulation HPR (WHMIS 2015). Any additional information concerning the risks for health and/or environment are given in Section 12 and Section 13 of this sheet.

According to Regulation (EC) No 1272/2008:

Hazard class	Hazard category	Hazard statement
Not Classified	Not classified	Not classified

For exposure limits see Section 9.

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According to Hazard Communication Standard, 29 CFR 1910.1200 (HCS), and according to Hazardous Product Regulation HPR (WHMIS 2015):

<i>Hazard class</i>	<i>Hazard category</i>	<i>Hazard statement</i>
Not classified	Not classified	Not classified

For exposure limits see Section 9.

****Environmental classification according to Reg. N. 1272/2008 (EC) and subsequent amendments.**

Potential adverse physicochemical, human health, and environmental effects:

Under normal and intended conditions of use, mixture does not cause adverse effects to humans and to the environment.

3.2 Label elements, according to Regulation (EC) No 1272/2008, according to Hazard Communication Standard, 29 CFR 1910.1200 (HCS), and according to Hazardous Product Regulation HPR (WHMIS 2015):

Hazard pictogram(s)	None
Signal word(s)	None
Hazard statement(s)	None
Precautionary statement(s)	None

Safety precautions:

Use product in accordance with the Good Laboratory Practice.

Wear suitable protective clothing, gloves, and eye/face protection.

Do not let the product enter drainage system, surface and ground-water or soil. Do not empty into drains.

3.3 Other hazards (which do not result in the classification):

Mixture does not meet criteria for PBT or vPvB.

Warning:

Product contains bovine material. All donor animals were sourced from BSE-free herds. Cattle received ante- and postmortem health inspection by a veterinarian, and they were apparently free from infectious and contagious material. However, material should be treated as potentially infectious. Bovine Serum Albumin (BSA) might cause allergic skin reaction and/or allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 4. COMPOSITION/INFORMATION ON INGREDIENTS

4.1 Hazardous components:

Name	EINECS/ ELINCS n°	CAS n°	Conc. % w/w*	Classification 29 CFR 1910.1200 (HCS) HPR (WHMIS 2015)	Classification 1272/2008/EC
1H-Imidazole	206-019-2	288-32-4	<0.002	Not classified	Acute Tox. 4; Skin Corr. 1C; Eye Dam. 1; Repr. 1B; H302, H314, H360D
Silicon Dioxide (Silica)	238-878-4	14808-60-7	<0.002	Not classified	Carc. 1A; STOT RE 1; H350
Sodium Chloride	231-598-3	7647-14-5	<0.002	Not classified	Not classified

For exposure limits see Section 9, for hazard statements text see Section 17.

**Range may be indicated, considering batch-to batch variation.*

****Environmental classification according to Reg. N. 1272/2008 (EC) and subsequent amendments.**

Mixture contains two substances listed Hazardous Substance Lists and/or evaluated for carcinogenicity by IARC, NTP, and OSHA. See Section 12 and Section 16.

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SECTION 5. FIRST AID MEASURES

5.1 Description of first aid measures:

Ingestion:	If swallowed rinse mouth with plenty of water provided person is conscious. Do not induce vomiting. Get medical advice if adverse symptoms appear.
Inhalation exposure:	If inhaled, move person to fresh air. If breathing is difficult, oxygen should be administered. Get medical advice if adverse symptoms appear.
Contact with skin:	Remove contaminated clothes and shoes. Wash immediately affected area with soap or mild detergent and plenty of water until the removal of the mixture (15–20 minutes). Get medical advice if adverse symptoms appear.
Contact with eyes:	Wash immediately with plenty of water or normal saline for at least 15 minutes. Keep eyelid open with finger. Get medical advice if adverse symptoms appear.

5.2 Most important symptoms and effects (acute and delayed):

Acute:	Inhalation: May cause irritation. Skin: May be irritant for skin. Eyes: May cause irritation. Ingestion: May be harmful. Contains Bovine Serum Albumin (BSA), might cause allergic skin reaction and/or allergy or asthma symptoms or breathing difficulties if inhaled.
Delayed:	Delayed symptoms and effects are not known.

5.3 Indication of any immediate medical attention and special treatment needed:

Medical monitoring:	Not foreseen.
Antidotes, if known:	Not known.

SECTION 6. FIRE-FIGHTING MEASURES

6.1 Extinguishing media:

Suitable extinguishing media:	Water spray or regular foam, CO ₂ , dry powder.
Unsuitable extinguishing media:	Not known.

6.2 Special hazards arising from the substance or mixture:

Hazardous combustion products:	Thermal decomposition or combustion may generate toxic and hazardous fumes of CO _x , NO _x , Na ₂ O, P _x O _y , HCl.
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6.3 Advice for firefighters:

Protective actions:	Water jets can be used successfully to cool containers exposed to fire and disperse fumes.
Equipment for self-protection:	Self-contained breathing apparatus, flame and chemical resistant clothing, boots, and gloves. Equipment must be conformed with national/international standards and used in highest condition of protection on basis of information reported in previous sub-sections.

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SECTION 7. ACCIDENTAL RELEASE MEASURES

7.1 Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel: Remove ignition and heat sources, provide sufficient ventilation, and evacuate area. Respiratory protection: is not required. Where risk assessment shows air-purifying respirators are appropriate, use masks with approved filter. Suitable protective clothing, rubber, or polythene gloves, rubber shoes, safety glasses.

For emergency responders: Wear appropriate protective equipment (see Section 9) to minimize exposure to product.

7.2 Environmental precautions: Do not let product enter drainage system, surface and groundwater or soil. Contact local authorities in case of environmental release. Do not empty into drains.

7.3 Methods and material for containment and cleaning up: Soak up with inert absorbent material, and clean with plenty of water. Collect spilled material in containers. Send to storage waiting for disposal procedures.

7.4 Reference to other sections: See also Section 9 and Section 14.

SECTION 8. HANDLING AND STORAGE

8.1 Precautions for safe handling: Handle in well ventilated place, and away from sparks and flames - sources of ignition. Keep mixture away from drains, surface, or ground waters. Avoid contact with incompatible materials. Wear suitable Personal Protection Equipment (see Section 9). Do not eat, drink, or smoke in working areas. Wash hands with soap and water after handling mixture. Remove contaminated clothing and protective equipment before entering eating areas.

8.2 Conditions for safe storage, incompatibilities: Recommended temperature: store at 2–8°C. Avoid light exposure and keep away from heat sources. Room ventilation: well ventilated workplace. Keep containers tightly closed and labelled with name of product. Avoid environmental release. Keep away from food and drinks. Keep away from contamination with heavy metals.

8.3 Specific end use: *ACT-LR Cuvette* is intended for in vitro diagnostic use. Material contains bovine albumin that might cause allergy or asthma symptoms or breathing difficulties if inhaled. It should be treated as potentially infectious. Use product in accordance with Good Laboratory Practice.

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SECTION 9. EXPOSURE CONTROLS/PERSONAL PROTECTION

9.1 Control parameters:

Community/National occupational exposure limit values:

Silicon Dioxide		
Region/country	Limit value – 8 hours	Limit value – short term
Austria	MAK (mg/m ³)	0.15 mg/m ³
Belgium	Limit value (mg/m ³)	0.1 mg/m ³
France	VME (mg/m ³)	0.1 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
USA OSHA	Remark (OSHA)	(3) See Table Z-3.
Spain	VLA-ED (mg/m ³)	0.05 mg/m ³ d (See UNE EN 481: Workplace atmospheres. Size fraction definitions for measurement of aerosol particles.), and Reclassified by the International Agency for Research on Cancer, (IARC) from Group 2A (probably carcinogenic in humans) to Group 1 (carcinogenic in humans), n (For mining work, see ITC Order 2585/2007 of August 30 [Official State Gazette no. 315 of September 7, 2007]), for which Complementary Technical Instruction 2.02.02 of the General Regulations on Basic Mining Safety Rules serves as evidence.)
Switzerland	VME (mg/m ³)	0.15 mg/m ³
Netherlands	Occupational exposure limit value 8H (mg/m ³)	0.075 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	0.1 mg/m ³ Silica, respirable crystalline; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
Finland	Threshold limit value (TLV) (8 h) (mg/m ³)	0.05 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	0.1 mg/m ³
Lithuania	IPRV (mg/m ³)	0.1 mg/m ³
Sweden	Threshold limit value (TLV) (mg/m ³)	0.1 mg/m ³
Portugal	OEL TWA (mg/m ³)	0.025 mg/m ³

Sodium Chloride		
Latvia	OEL TWA (mg/m ³)	5 mg/m ³
Lithuania	IPRV (mg/m ³)	5 mg/m ³

Community/National biological exposure limit values: Not established.

DNEL values (components): Not established.

PNEC values (components): Not established.

9.2 Exposure controls:

9.2.1. Appropriate engineering controls:

Appropriate risk management measures, that must be adopted at workplace, have to be selected and applied, following risks assessment carried out by employer, in connection with his/her working activity. If results of this evaluation show that general and collective prevention measures are not sufficient to reduce risk, and if you cannot prevent exposure to mixture by other means, adequate personal protective equipment must be adopted, complying with relevant technical national/international standards.

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9.2.2. Individual protection measures, such as Personal Protective Equipment (PPE):

Respiratory protection: Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate, use masks with approved filter.
Use only devices approved by the Competent Authorities such as NIOSH (USA) and CEN (EU).

Skin protection: Protective clothing, rubber gloves.

Eye protection: Safety glasses.

Hand protection: Protective gloves.

Other protective systems: Personal Protective Equipment (PPE) useful for reducing individual exposure.

9.2.3. Environmental exposure controls:

Avoid any release into the environment.

SECTION 10. PHYSICAL AND CHEMICAL PROPERTIES

10.1 Information on basic physical and chemical properties:

	Value
Appearance:	Solid
Odor:	Odorless
Color:	White
pH:	Not available
Flammability:	Not flammable
Explosive properties:	Not explosive
Oxidizing properties:	Not available
Density:	Not available
Solubility:	Not available
Water Solubility:	Not available
Melting point/range:	Not available

10.2 Other information: Not available

SECTION 11. STABILITY AND REACTIVITY

11.1 Reactivity: This mixture is considered not reactive under the normal conditions of usage.

11.2 Chemical stability: Product is stable until expiration date shown on box and on labels when stored at 2–8°C.

11.3 Possibility of hazardous reactions: Not foreseen.

11.4 Conditions to avoid: Keep dry and away from heat and light.

11.5 Incompatible materials: Strong oxidizing agents, acids, alkalis, heavy metals, and their salts.

11.6 Hazardous decomposition products: Thermal decomposition or combustion may include toxic and hazardous fumes of CO_x, NO_x, Na₂O, P_xO_y, HCl.

SECTION 12. TOXICOLOGICAL INFORMATION

Health effects of product have not been thoroughly investigated. Data on toxicological effects of hazardous ingredients are provided below.

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12.1 Information on toxicological effects:

Symptoms and effects for each route of exposure:

Dermal:	Prolonged or repeated skin contact may cause irritation. Contains Bovine Serum Albumin (BSA) that might cause allergic skin reaction.
Ingestion:	Ingestion may cause irritation to gastrointestinal mucous membranes.
Inhalation:	Inhalation of the product may cause irritation to respiratory ways. Contains Bovine Serum Albumin (BSA) that might cause allergy or asthma symptoms or breathing difficulties if inhaled.
Contact with eyes:	May cause irritation.
Other:	Not available.

Toxicokinetic effects (Absorption, Distribution, Metabolism, Excretion):

Acute toxicity	Value	m.u.	Effects	Related to
<u>Oral:</u>	LD50 (rat) 970	mg/kg	Experimental	1H-Imidazole
	LD50 (rat) 3000	mg/kg	Experimental	Sodium Chloride
<u>Dermal:</u>	LD50 (rabbit) >10000	mg/kg	Experimental	Sodium Chloride
<u>Inhalation:</u>	Not applicable	Not applicable	Not applicable	Not applicable
<u>Other data:</u>	Not applicable	Not applicable	Not applicable	Not applicable

Corrosion/Irritation:

<u>Skin Corrosion/Irritation:</u>	Not applicable
<u>Serious eye damage/ irritation:</u>	Not applicable

Sensitization:

<u>Skin sensitization:</u>	Not applicable
<u>Respiratory sensitization:</u>	Not applicable
<u>Germ cell mutagenicity:</u>	Not applicable
<u>Reproductive toxicity:</u>	Not applicable

Carcinogenesis:

Substances listed in National Toxicology Program (NTP) Report on Carcinogens, in International Agency for Research on Cancer (IARC) Monographs or found to be potential carcinogen by OSHA:

<i>Substance</i>	<i>OSHA</i>	<i>IARC</i>	<i>NTP</i>
<i>Not classified</i>			

STOT –single exposure:	Not available
STOT – repeated exposure:	Not available

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Aspiration hazards: Not applicable

Other information: Not available

SECTION 13. ECOLOGICAL INFORMATION

Environmental effects of product have not been thoroughly investigated. Data on toxicological effects of hazardous ingredients are provided below.

13.1 Toxicity	Species, media, units, test duration, and test conditions.	Related to
Acute toxicity with fish:	LC50 fish 2; 5840 mg/l (LC50; ASTM; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)	Sodium Chloride
	Algae 2; 2430 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 120 h; Algae; Static system; Fresh water; Experimental value)	Sodium Chloride
Chronic toxicity with fish:	Leuciscus idus; 280 mg/l (LC50; 48 h)	1H-Imidazole
Acute toxicity with crustaceans:	Not available	Not available
Chronic toxicity with crustaceans:	Not available	Not available
Acute toxicity with algae:	Algae 1; 2430 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 120 h; Algae; Static system; Fresh water; Experimental value)	Sodium Chloride
Chronic toxicity with algae:	Algae 2; 130 mg/l (EC50; 72 h)	1H-Imidazole
	Scenedesmus quadricauda; 133 mg/l (EC50; 72 h)	1H-Imidazole
Toxicity data on soil micro- and macroorganisms:	Daphnia 1; 341.5 mg/l (EC50; 48 h)	1H-Imidazole
Toxicity data on birds, bees, and plants:	Not available	Not available

13.2 Persistency and degradability:	ACT-LR Cuvette	May cause long-term adverse effects in the environment.
	1H-Imidazole	Readily biodegradable in water.
	Silicon Dioxide	Biodegradability: Not applicable. Not established.
	Sodium Chloride	Biodegradability: Not applicable. No (test) data available on mobility of the substance.

13.3 Bioaccumulation potential:	ACT-LR Cuvette	Not established.
	1H-Imidazole	BCF fish 1 = 1 (BCF); Log Pow = -0.02; Bioaccumulation: Not applicable.
	Silicon Dioxide	Not established.
	Sodium Chloride	Log Pow = -3.0 (Calculated); Bioaccumulative potential = Bioaccumulative potential

13.4 Mobility in soil:

13.5 Results of PBT and vPvB assessment: Not applicable.

13.6 Other toxic effects: Not applicable. Avoid release into environment.

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SECTION 14. DISPOSAL CONSIDERATION

National laws on disposal must be considered, local and UE requirements for wastes recycling must be respected.

14.1 Waste treatment methods:

Used waste product, surplus product or spillage products shall be disposed of in accordance with national, state, and local laws.

SECTION 15. TRANSPORT INFORMATION

In accordance with ADR/RID, DOT, IMDG, and IATA regulations:

ADR/RID: Not Dangerous Goods

DOT: Not Dangerous Goods

IMDG: Not Dangerous Goods

IATA: Not Dangerous Goods

SECTION 16. REGULATORY INFORMATION

16.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:

EU Regulations:

- Council Directive 89/391/EEC of 12 June 1989 on introduction of measures to encourage improvements in safety and health of workers at work (Official Journal L 183, 29/06/1989 P. 0001 – 0008) and following amendment and National reinforcements.
- Council Directive 89/686/EEC of 21 December 1989 on the approximation of laws of the Member States relating to personal protective equipment.
- Council Directive 98/24/EC of 7 April 1998 on protection of health and safety of workers from risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) Official Journal L 131, 05/05/1998 P. 0011 – 0023.
- Council Directive 98/79/EC of the European Parliament and of Council of 27 October 1998 on in vitro diagnostic medical devices.
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of Council on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
- Regulation (EC) No 1272/2008 of European Parliament and of Council of 16 December on classification, labelling and packaging of substances and mixtures 2008 (and subsequent amendments and supplements).

Restriction of use: Not applicable

Substance(s) under authorization: None

US Federal Regulations:

State	Components listed	Note
Massachusetts	Not classified	None
New York	Not classified	None
New Jersey	Not classified	None
Pennsylvania	Not classified	None

California Prop. 65:

Ingredient name	Cancer	Reproductive	NSRL or MADL (µg/day)
Not classified			

Clean Water Act (CWA) 307

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances

Clean Air Act Section 602 Class II Substances

DEA List I Chemicals (Precursor Chemicals)

DEA List II Chemicals (Essential Chemicals)

EPA List of Lists:

Regulatory Name	CAS No./SARA/ 313 Category Code ^I	SARA/EPCRA 302 EHS TPQ ^{II}	SARA/EPCRA 304 EHS RQ ^{III}	CERCLA RQ ^{IV}	SARA/EPCRA 313 TRI ^V	RCRA Code ^{VI}	CAA 112(r) RMP TQ ^{VII}
Not classified							

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Not classified

- ⁱ **SARA/313 Category Code:** Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ⁱⁱ **SARA/EPCRA 302 EHS TPQ:** Extremely Hazardous Substance Threshold Planning Quantity (Emergency Planning and Community Right-to Know Act Section 302 Category Code)
- ⁱⁱⁱ **SARA/EPCRA 304 EHS RQ:** Extremely Hazardous Substance Reportable Quantity (Emergency Planning and Community Right-to Know Act Section 304 Category Code)
- ^{iv} **CERCLA RQ:** Reportable Quantity (Comprehensive Environmental Response, Compensation, and Liability Act)
- ^v **SARA/EPCRA 313 TRI:** Toxics Release Inventory (Emergency Planning and Community Right-to Know Act Section 313 Category Code)
- ^{vi} **RCRA Code:** Resource Conservation and Recovery Act Code
- ^{vii} **CAA 112(r) RMP TQ:** Risk Management Plan Threshold Quantity (Clean Air Act Section 112(r))

United States Inventory (TSCA 8b): All components are listed or exempted.

Canada Domestic Substances List (DSL): All components are listed.

16.2 Chemical safety assessment: Chemical safety assessment has not been carried out for mixture by the supplier.

SECTION 17. OTHER INFORMATION

Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
 AIHA: American Industrial Hygiene Association
 ADR: Agreement Concerning the Carriage of Dangerous Goods by Road
 BCF: Bioaccumulative Factor
 BEI: Biological Exposure Indices
 CAS: Chemical Abstract Service (Division of the American Chemical Society)
 CLP: Classification, Labeling, and Packaging
 DNEL: Derived No-Effect Levels
 EC50: Effect Concentration Associated with 50% Response.
 EINECS: European Inventory of Existing Commercial Substances
 EPA: US Environmental Protection Agency
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association Code
 IMDG: International Maritime Dangerous Goods Code
 LC50: Lethal Concentration to 50% of a Test Population
 LD50: Lethal Dose to 50% of a Test Population (Median Lethal Dose)
 LOEL: Lowest Observed Effect Level
 MADL: Maximum Allowable Daily (or Dose) Level
 NOAEL: No Observed Adverse Effect Level
 NOEC: No Observed Effect Concentration (test concentration immediately below the lowest tested concentration with statistically significant adverse effect.)
 NSRL: National Science Research Laboratory
 NTP: National Toxicology Program
 OEL: Occupational Exposure Limit
 OSHA: Occupational Safety and Health Administration
 PPE: Personal Protective Equipment
 PBT: Persistent, Bioaccumulative, and Toxic Substances
 PNEC: Predicted No Effect Concentration
 RID: Regulation Concerning the International Carriage of Dangerous Goods by Rail
 TLV/TWA: Threshold Limit Value/Threshold Weighted Average
 vPvB: very Persistent, very Bioaccumulative
 WEEL: Workplace Environmental Exposure Level (air concentration of agents in a healthy worker's breathing zone)

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Information related to the Regulation EC/1272/2008:

Hazard statement(s):

Information on workers training: Follow National requirements to ensure protection of human health and the environment.

Information in this SDS is in accordance with Annex II of COMMISSION REGULATION (EU) No 1907/2006 (REACH) and its subsequent amendments, in accordance with Hazard Communication Standard (HCS), 29 CFR 1910.1200 (HazCom 2012) as recommended by US OSHA, and in accordance with Hazardous Product Regulation HPR (WHMIS 2015) as recommended by Health Canada (HC).