

Doc. No. 0900-0003-39

Rev. 06

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### SDS – ARK<sup>TM</sup> Levetiracetam Assay

Meets the requirements of Regulation (EC) No. 1907/2006 (REACH), Annex II, with changes introduced by Commission Regulation (EU) 2020/878, and Occupational Safety and Health Administration Standard Number 1910.1200 App D.

# 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1.	<b>Product Identifier:</b>	ARK <sup>TM</sup> Levetiracetam Assay
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Product Number: 5024-0001-00

(a) Other means of identification/synonyms

Antibody/Substrate Reagent 1	4024-0001-01
Enzyme Reagent 2	4024-0002-01
Product Type:	Liquid Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against Invitro Diagnostic Kit Reagents for Professional users only

### **1.3** Details of the supplier of the safety data sheet

Company	ARK Diagnostics, Inc. 48089 Fremont Blvd. Fremont, CA 94538 USA
Telephone Fax	1-510-270-6270 1-510-270-6298
Email:	customersupport@ark-tdm.com
Emergency Telephone	800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/Day, 7 Days/Week

### 2. HAZARDS IDENTIFICATION

1.4

#### 2.1. Classification of the substance or mixture

This product is a reagent kit consisting of individual ingredients. The classification of material is not considered hazardous by the EC Regulation 1272/2008 and OSHA Hazard Communication (29CFR 1910.1200)



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### 2.2. OSHA/HCS Status:

Regulation (EC) 1272/2008 [GHS]

ARK<sup>TM</sup> Levetiracetam Assay This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### **GHS Label Elements:**

Signal word:	ARK <sup>TM</sup> Levetiracetam Assay	No signal word.
Hazard statements:	ARK <sup>TM</sup> Levetiracetam Assay	No known significant effects or critical hazards.

Precautionary statements

Prevention:	ARK <sup>TM</sup> Levetiracetam Assay	Not applicable.
Response:	ARK <sup>TM</sup> Levetiracetam Assay	Not applicable.
Storage:	ARK <sup>TM</sup> Levetiracetam Assay	Not applicable.
Disposal:	ARK <sup>TM</sup> Levetiracetam Assay	Not applicable.
Supplemental label elements:	ARK <sup>TM</sup> Levetiracetam Assay	Not applicable.

Hazards not otherwise classified: ARK<sup>TM</sup> Levetiracetam Assay Not applicable.

### 3. COMPOSITIONS/INFORMATION ON INGREDIENTS

### Antibody/Substrate Reagent 1 GHS Classification

The GHS classification of the mixture has not been determined. Not a hazardous mixture based on bridging principles of GHS classification (2005) of individual components and ingredients and regulation EC No 1272/2008

### Components

Chemical name	CAS no.	Concentration (%w/w)	Classification
	EC No		
Nicotinamide adenine	20111-18-6	>0.1 to <5	Not a hazardous
dinucleotide,	683-623-6		substance
monosodium			
dihydrate			



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Glucose 6 phosphate disodium hydrate	3671-99-6 222-938-1	>0.1 to <5	Not a hazardous substance
Sodium Chloride	7647-14-5 231-598-3	>0.1 to <5	Not a hazard substance

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Concentrations below 0.1%w/w for other ingredients are excluded per EC 1907/2006 and amended Annex II 2020/878. Occupational Exposure limits are listed in Section 8.

### **Enzyme Reagent 2 GHS Classification** Not a hazardous substance or mixture

### Components

Chemical name	CAS no. EC No	Concentration (%w/w)	Classification
HEPES 4-(2-Hydroxyethyl) piperazine-1- ethanesulfonic acid	7365-45-9 230-907-9	>0.1 to <5	Not a hazardous substance
HEPES sodium salt 4-(2-Hydroxyethyl) piperazine-1- ethanesulfonic acid sodium salt	75277-39-3 278-169-7	>0.1 to <5	Not a hazardous substance
Sodium Chloride	7647-14-5 231-598-3	>0.1 to <5	Not a hazard substance
Albumins, Blood Serum	9048-046-8 232-936-2	>0.1 to <5	Not a hazardous substance

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Concentrations below 0.1%w/w for other ingredients are excluded per EC 1907/2006 and amended Annex II 2020/878. Occupational Exposure limits are listed in Section 8.



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### 4. FIRST AID MEASURES

### 4.1. Description of necessary first aid measures

Eye contact:	If easy to do, remove contact lenses, if worn. Immediately flush eyes with copious amounts of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.
Skin contact:	Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.
Inhalation:	Immediately move exposed subject to fresh air. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Immediately notify medical personnel and supervisor.
Ingestion:	If swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.
Protection of first aid	The first aid procedure should be established in consultation with medical personnel responsible for industrial medicine. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to perform mouth to mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Responders:	See Section 8 for Exposure Controls/Personal Protection Recommendations.

### 4.2. Most important symptoms and effects both acute and delayed: See also sections 2 and 11.

Indication of immediate medical attention and special treatment needed if	
necessary:	Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.

### Potential acute health effects

Eye contact: No known significant effects or critical hazards.



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Inhalation:	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

### **Overexposure signs/symptoms**

Eye Contact	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.

### 4.3. Indication of immediate medical attention and special treatment needed if necessary

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.
Specific treatments:	No specific treatment.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. The first aid procedure should be established in consultation with physician responsible for industrial medicine.

### 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

5.2.

Suitable extinguishing media:	In case of fire, use water spray (fog), foam, carbon dioxide or dry chemical as appropriate for surrounding fire and materials.
Unsuitable extinguishing media:	None known
Special hazards arising from the subst	ance or mixture

Hazards from the substance or mixture	In a fire or if heated a pressure increase
	could occur resulting in the container to burst
Hazardous thermal decomposition products:	No specific data.



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### 5.3 Advice for firefighters

6.2.

6.3.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece

### 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ontainment and cleanup
Small spill:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of it via a licensed waste disposal contractor.
Large spill:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of it via



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a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### 6.4. **Reference to other section(s)**

See section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information and disposal.

### 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Protective measures:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational	
hygiene:	Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2. Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3.	Specific End Uses	Laboratory Reagents for Clinical C	Chemistry Analyzers
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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control Parameters

Antibody substrate Reagent 1 Contains no substances with occupational exposure limit values.

Enzyme Reagent 2

Contains no substances with occupational exposure limit values.

#### 8.2. Exposure Controls

Appropriate engineering	
Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal protective equipment	The selected protective equipment have to satisfy the specifications of Regulations EU 2016/425 and the standard EN 374 derived from it.
Hand	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly. Please observe the instructions regarding the permeability and breakthrough time provided by the supplier of gloves.
Eye	Wear Safety Glasses complying with approved standards commensurate with risk assessment indicating possibility of liquid splashes.
Skin and Body	Appropriate clothing preferably a lab coat as protective suit. Personal protective equipment for the body should be selected based on the task being performed and the risks involved in handling the product. Appropriate footwear and any additional skin protection should be selected during the performance of the tasks.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
	Wash hands, forearms and face thoroughly after handling chemical products before eating and using the lavatory/toilet at the end of the working period. Wash contaminated clothing before reusing. Ensure eyewash stations and safety showers are in the vicinity and functional.
Respiratory Protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Ensure proper training and fitting before use. No personal respiratory protective equipment is



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Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Antibody/Substrate Reagent R1

Appearance:	Clear Liquid	
Color	Colorless	
Odor	Odorless	
Odor threshold	Not relevant due to nature of product in	formation identified
рН	5.0 to 8.0	
Melting point/freezing point	Not relevant due to nature of product	Initial boiling point and
boiling range Does not Flash	Not relevant due to nature of product	Flash point
Evaporation rate	No data available	
Flammability (liquids)	Does not sustain Combustion	
Upper/lower flammability or explosive limits	No information identified	
Vapor pressure	No information identified	
Vapor density	No information identified	
Relative density	No information identified	
Water solubility	Miscible in water	
Solvent solubility	No information identified	



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	Partition Coefficient (n-octanol/water)	No information identified	
	Auto-Ignition temperature	No information identified	
	Decomposition temperature	No information identified	
	Viscosity	No data available	
	Explosive properties	Not Explosive	
	Oxidizing properties	The substance or mixture is not classified	ed as oxidizing
Enzym	ne Reagent R2		
	Appearance:	Clear Liquid	
	Color	Colorless	
	Odor	Odorless	
	Odor threshold	Not relevant due to nature of product in	formation identified
	pН	7.0 to 8.0	
	Melting point/freezing point	Not relevant due to nature of product	Initial boiling point and
	boiling range Does not Flash	Not relevant due to nature of product	Flash point
	Evaporation rate	No data available	
	Flammability (liquids)	Does not sustain Combustion	
	Upper/lower flammability or explosive limits	No information identified	
	Vapor pressure	No information identified	
	Vapor density	No information identified	
	Relative density	No information identified	
	Water solubility	Miscible in water	
	Solvent solubility	No information identified	
	Partition Coefficient (n-octanol/water)	No information identified	



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Auto-Ignition temperature	No information identified
Decomposition temperature	No information identified
Viscosity	No data available
Explosive properties	Not Explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing

### 9.2. Other information

Molecular weight	Not Applicable, Homogeneous Mixture
Molecular formula	Not Applicable Homogeneous Mixture
Particle Characteristics Burning Time Burning Rate Heat of reaction Heat of combustion Flow time (ISO 2431)	Particle size not applicable Not relevant due to nature of product Not relevant due to nature of product

### **10. STABILITY AND REACTIVITY**

**10.1. Reactivity** No specific test data related to reactivity available for this product or its ingredients. No dangerous reaction known under conditions of normal use.

10.2.	Chemical Stability	The product is stable when stored as recommended.	
10.3.	Possibility of hazardous reactions	Not expected to occur	
10.4.	Conditions to avoid	No thermal hazard. Avoid temperatures ≥32°C to preserve biochemical integrity.	
10.5.	Incompatible materials	No information identified.	
10.6.	Hazardous decomposition product	s No information identified.	



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### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on hazard classes

Acute Toxicity	Not classified based on available information
Irritation/Skin Corrosic Serious Eye damage/In	
Sensitization	Not classified based on available information
Mutagenicity	Not classified based on available information
Carcinogenicity IARC	Not classified based on available information No ingredient of this product present at levels greater than or equal to 0.1% w/w is identified as probable, possible or confirmed human carcinogen
OSHA	No component of this product present at levels greater than or equal to 1% w/w is on OSHA's list of regulated carcinogens
NTP	No ingredient of this product present at levels greater than or equal to 0.1% w/w is identified as a known or potential carcinogen.
Conclusion Summary:	
Reproductive Toxicity	Not available
Teratogenicity Conclusion Summary:	Not available
Specific target organ to (Single exposure)	oxicity (STOT) Not available
Specific target organ to (Multiple exposure)	
Aspiration hazard	Not available.

### **Potential acute health effects:**

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.



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Skin contact	No known significant effects or critical hazards.		
Ingestion	No known significant effects or critical hazards.		
Symptoms related to the physical, chemical and toxicological characteristics			
Eye contact	No known significant effects or critical hazards.		

Lye contact	No known significant critects of critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

### Short term exposure

Potential immediate effects	Not available
Potential delayed effects	Not available

### Long term exposure

Potential immediate effects	Not available
Potential delayed effects	Not available
Potential chronic health effects	Not available

### **Conclusion/Summary**

General	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards
Mutagenicity	No known significant effects or critical hazards
Teratogenicity	No known significant effects or critical hazards
Developmental effects	No known significant effects or critical hazards
Fertility effects	No known significant effects or critical hazards



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### Numerical measures of toxicity

Acute toxicity measurement Not available.

### 11.2. Information on other hazards

Endocrine disrupting properties Not available

To the best of our knowledge, the chemical, physical and toxicological properties of the mixture s have not been thoroughly investigated.

### 12. ECOLOGICAL INFORMATION

12.1.	<b>Toxicity</b> No	No data available for R1 and R2 mixture			
HEPES Toxicity 48h	y to daphnia and other aquatic invertebrates	Static test EC50- Dapnia magna (water flea) >100mg/L (OECD Test Guideline 202)			
Toxicit	y to algae	Static test NOEC – Pseudokirchneriella subcapitata			
Remark	(Green algae) > 100mg/L 72h (OECD Test Guideline 201) Remarks – refers to pure substance (HEPES) not mixture				
12.2.	<b>Persistence and degradability</b> Biodegradability Aerobic exposure 28d Results 0%. Not readily biodegradable (OECD Test Guideline 301D)				
	Remarks: Refers to pure substance data not available for mixture.				
12.3.	<b>Bio-accumulative potential</b>	Data not available			
12.4.	Mobility in soil				
	Soil/water partition coefficient (Koc)	Not Determined			
12.5.	Results of PBT a vPvB assessment	PBT/vPvB assessment not available			
12.6.	Endocrine disrupting properties	No data available			
12.7.	Other adverse effects	No known significant effects or critical hazards.			



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### 13. DISPOSAL CONSIDERATIONS

Disposal methods Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residue. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### 14. TRANSPORT INFORMATION

Transp	port	Ý <b>1</b>		ixture is not regulated as a hazardous R/RID US DOT, Canada TDG, IATA or IMDG.
14.1.	UN Number		None a	ssigned.
14.2.	UN Proper Sh	ipping Name	None a	assigned, not regulated as a dangerous good
14.3. good l		zard classes and packaging gro A_DGR, IMDG-Code	սթ	None assigned, not regulated as a dangerous Not regulated as a dangerous good
14.4.	Packing Grou	р		No packing group assigned
14.5.	Environmenta	al Hazards		Not determined for mixture
14.6.	Special precau	utions for users		Mixture not fully tested – avoid exposure.
14.7.	Maritime tran	nsport in bulk		Not applicable
14.8.	Transport in l	bulk according to Annex II		
of MA	ARPOL 73/78 an	nd the IBC code		Not applicable
14.9.	Domestic regu 49 CFR	llation (US)		Not assigned. Not regulated as a dangerous good



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### 15. REGULATORY INFORMATION

### 15.1. Safety, health, and environmental regulations/legislation specific for the substance and mixture

This SDS complies with the requirements under the US, EU, and GHS (EU CLP – Regulation EC No 1272/2008) guidelines. Consult your local or regional authorities for more information.

REACH - Candidate List of Substances of very High Concern for Authorization (Article 59) - Not Applicable REACH – List of Substances subject to Authorization (Annex XIV) - Not Applicable REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) -Not Applicable Regulation (EC No 1005/2009 on substances that deplete the ozone layer -Not Applicable Regulation EC No 850/2004 on persistent organic pollutants -Not Applicable Regulation(EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals -Not Applicable U.S. Federal regulations TSCA 8(a) CDR Exempt/Partial exemption: Not determined United States inventory TSCA 8(b) Not determined Clean Air Act Section 112: Not listed Hazardous Air pollutants (HAPs) Clean Air Act Class I and II Substances This product neither contains nor was manufactured with a Class I or Class II ODS as defined by the US Clean Air Act Section 602 (40 CFR 82) This product does not contain any hazardous air pollutants (HAP) as identified by the US clean Air Act Section 112 (40 CFR 11).

This product does not contain any chemicals listed under the US Clean Air Act Section 112® for Accidental Release Prevention (40 CFR 68)

This product does not contain any chemicals listed under the US Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60).

Clean Water Act

This product does not contain any Hazardous Substances listed under the US Clean Water Act Section 311 This product does not contain any toxic pollutants listed under US Clean Water Act Section 307



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This product does not contain any priority pollutants related to the US Clean Water Act

### 15.2. Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified application.

•				
DEA List I Chemicals	Not list	Not listed		
Precursor Chemicals	Not list	Not listed		
DEA List II Chemicals Essential Chemicals	Not list	Not listed		
SARA 302/304 Composition/information on ingr	redients	No products were found.		
SARA 304RQ:		Not applicable.		
SARA 311/312 Classification: Not applicable Composition/information on ingr US State regulations	redients:	No products were found.		
MassachusettsNone of the components are listedMaineNone of the components are listedNew YorkNone of the components are listed.New JerseyNone of the components are listed.PennsylvaniaNone of the components are listed.CaliforniaNone of the components are listed.				
Canada inventory: The substances are listed in the DSL and do not meet the criteria of CEPA				
European Inventory: On the C&L inventory of ECHA				
		y (IECSC): /:	Not determined Not determined Not determined Not determined Not determined Not determined	



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Safety Data Sheet

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### SDS – ARK<sup>TM</sup> Levetiracetam Assay

Meets the requirements of Regulation (EC) No. 1907/2006 (REACH), Annex II, with changes introduced by Commission Regulation (EU) 2020/878, and Occupational Safety and Health Administration Standard Number 1910.1200 App D.

Philippines inventory (PICCS): Taiwan inventory (CSNN): Not determined Not determined

### **16. OTHER INFORMATION**

Revision #, Date of Effectivity: Refer to the Header of this document (The Effective Date is the same as the Revision Date.)

Key to Abbreviations:

AIIC = Australian Inventory of Chemicals ACGIH=American Conference of Governmental Industrial Hygienists ADR/RID=European Agreement Concerning the International Carriage of Dangerous goods by Road/Rail; AIHA=American Industrial Hygiene Association ATE=Acute Toxicity Estimate **BCF=Bioconcentration Factor** CAS=Chemical Abstract Services **CEPA=Canadian** Environmental Protection Act CLP=Classification, Labelling and Packaging of Substances and Mixtures DNEL=Derived No Effect Level DSL=Domestic Substances List EINECS=European Inventory of New and Existing Chemical Substances **EU=European Union** GHS=Global Harmonized System of Classification and Labelling of Chemicals IARC=International Agency for Research on Cancer IATA=International Air Transport Association IBC=Intermediate Bulk Container IDLH=Immediately Dangerous to Life or Health IMDG=International Maritime Dangerous Goods LOEL=Lowest Observed Effect Level LOAEL=Lowest Observed Adverse Effect Level 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. (Marpol=marine pollution) NIOSH=National Institute of Occupational Health and Safety NOEL=No Observed Effect Level NOAEL=No Observed Adverse Effect Level NTP=National Toxicology Program **OEL=Occupational Exposure Limit** OSHA=Occupational Safety and Health Administration



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PNEC=Predicted No Effect Concentration SARA=Superfund Amendments and Reauthorization Act STEL=Short Term Exposure Limit TDG=Transportation of Dangerous Goods TSCA=Toxic Substances Control Act TWA=Time Weighted Average UN= United Nations WHMIS=Workplace Hazardous Materials Information System

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