

# SAFETY DATA SHEET

# FOR INDUSTRIAL USE ONLY

## **XB-90K5-LF**

# Section 1. Product and company identification

**GHS product identifier** : XB-90K5-LF **MSDS Number** : 000000101062

**Product type** : Polyvinyl Acetate Resin

Material uses Emulsion

**Manufacturer/Supplier/Impor** : Hexion Inc.

er 180 East Broad Street

Columbus, Ohio 43215 USA

Contact person : 4information@hexion.com

**Telephone** : For additional health and safety or regulatory information, call

1 888 443 9466.

**Emergency telephone number** : For Emergency Medical Assistance

Call Health & Safety Information Services

1-866-303-6949

For Emergency Transportation Information CHEMTREC US Domestic (800) 424-9300 CHEMTREC International (703) 527-3887 CANUTEC CA Domestic (613) 996-6666

# Section 2. Hazards identification

Classification of the substance or

mixture

: SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) [central nervous system (CNS), skin] - Category 1

**GHS** label elements

Hazard pictograms :

Signal word : Danger

**Hazard statements** : H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated

exposure: (central nervous system (CNS), skin)

XB-90K5-LF Page:2/14

### **Precautionary statements**

**General** : Not applicable.

**Prevention** : Obtain special instructions before use.

Do not handle until all safety precautions have been read and

understood.

Use personal protective equipment as required.

Wear protective gloves. Do not breathe vapor.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Contaminated work clothing should not be allowed out of the

workplace.

**Response** : Get medical attention if you feel unwell.

IF exposed or concerned: Get medical attention.

IF ON SKIN:

Wash with plenty of soap and water. Wash contaminated clothing before reuse.

If skin irritation or rash occurs:

Get medical attention.

Storage : Store locked up.

**Disposal**: Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Other hazards which do not result

in classification

None known.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% by weight	
		number
Diethylene Glycol Ethyl Ether Acetate	2 - 3	112-15-2
Vinyl Acetate	0.1 - 0.2	108-05-4
Triethanolamine	0.1 - 0.2	102-71-6

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the

XB-90K5-LF Page:3/14

Inhalation

upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.

Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** 

wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

**Notes to physician** : 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.

Specific treatments

**Protection of first aid personnel** 

No specific treatment.

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

# **Section 5. Fire-fighting measures**

### **Extinguishing media**

Suitable extinguishing media Unsuitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

None known.

Specific hazards arising from the chemical

.

Hazardous thermal decomposition products

In a fire or if heated, a pressure increase will occur and the container may burst.
 Decomposition products may include the following materials:

 Decomposition products may include the following materials: carbon dioxide carbon monoxide

XB-90K5-LF Page:4/14

nitrogen oxides

Special protective actions for firefighters 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

For non-emergency personnel

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialised clothing is required to deal with the spillage, take note of any information 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 material for containment and cleaning up

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 via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. 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 of SDS). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

# Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see section 8 of SDS). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until

XB-90K5-LF Page:5/14

all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

# 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.

# 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 of SDS) and food and drink. Store locked up. 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.

# Section 8. Exposure controls/personal protection

# **Control parameters**

# Occupational exposure limits

Vinyl Acetate	ACGIH TLV (1994-09-01) Time Weighted Average (TWA) 35 mg/m3 10 ppm Short Term Exposure Limit (STEL) 53 mg/m3 15 ppm NIOSH REL (1994-06-01) Ceiling 15 mg/m3 4 ppm
Triethanolamine	ACGIH TLV (1994-09-01) Time Weighted Average (TWA) 5 mg/m3

# Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### **Appropriate engineering controls**

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

# **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

XB-90K5-LF Page:6/14

to reduce emissions to acceptable levels.

#### **Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical

products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations

and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used

when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a

higher degree of protection: safety glasses with side-shields.

# **Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved

standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves

cannot be accurately estimated.

**Body protection**: Personal protective equipment for the body should be selected based

on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with

an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the

selected respirator.

# Section 9. Physical and chemical properties

## **Appearance**

Physical state: LiquidColor: Opaque

Odor : Mild.

Odor threshold : Not available

**pH** : 5.0 - 5.5 @ 25 °C (77.00 °F)

**Melting point**/ Freezing point :  $0 \,^{\circ}\text{C} (32.00 \,^{\circ}\text{F})$ 

XB-90K5-LF Page: 7/14

**Boiling point** :  $100 \,^{\circ}\text{C} \, (212.00 \,^{\circ}\text{F})$ 

Flash point : Not determined

**Burning time** : Not available **Burning rate** : Not available

**Evaporation rate** : 1 ((n-Butyl acetate=1))

Flammability (solid, gas) : Not available

Lower and upper explosive : Lower: Not applicable. (flammable) limits : Upper: Not applicable.

**Vapor pressure** : Not applicable.

Vapor density : Not applicable.

Relative density : 1.2000

Solubility : Not available Solubility in water : Infinite

Partition coefficient: n-

octanol/water

**Auto-ignition temperature** : Not applicable.

**Decomposition temperature** : Not available **SADT** : Not available

**Viscosity** : **Dynamic:** 2,000 - 2,500 cPs

Kinematic: Not available

Not available

## Other information

The SDS is not to be used as a specification sheet. For Specific technical information on the product listed above, a sales specification sheet should be obtained from your Hexion representative.

# Section 10. Stability and reactivity

**Reactivity**: Normally stable, but will polymerize at high temperatures with some

evolution of heat.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions**: Under normal conditions of storage and use, hazardous reactions will

not occur.

**Conditions to avoid** : Strong oxidizer,

**Incompatible materials**: Reactive or incompatible with the following materials:

oxidizing materials

acids

Hazardous decomposition products : Note: Residual formaldehyde gas may be released from this product

during processing. The amount and level will depend on local

XB-90K5-LF Page:8/14

conditions of use. Formaldehyde gas is irritating to the eyes and upper respiratory tract and may aggravate existing respiratory conditions or allergies. OSHA has listed formaldehyde as a potential human carcinogen. See the OSHA formaldehyde standard 29 CFR 1910.1048 for further details. The International Agency for Research on Cancer (IARC) has classified formaldehyde as carcinogenic to humans.

# Section 11. Toxicological information

# **Information on toxicological effects**

# **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Diethylene Glycol Ethyl Ethe	r Acetate			
	LD50 Oral	Rat	11,000 mg/kg	-
	LD50 Dermal	Rabbit	15,000 mg/kg	-
Vinyl Acetate				
	LD50 Oral	Rat	2,900 mg/kg	-
	LC50 Inhalation	Rat	11 mg/l	4 h
	LD50 Dermal	Rabbit	2,335 mg/kg	-
Triethanolamine				
	LD50 Oral	Rat	7,390 mg/kg	-
	LD50 Dermal	Rabbit	> 2,000 mg/kg	-

Conclusion/Summary : Not available

# **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Triethanolamine	Skin -	Mouse			-
	Severe				
	irritant				
	Skin - Mild	Human		72 hrs	-
	irritant				
	Skin - Mild	Rabbit		24 hrs	-
	irritant				
	eyes -	Rabbit			-
	Severe				
	irritant				
	eyes - Mild	Rabbit			-
	irritant				

Conclusion/Summary

Skin:Not availableeyes:Not availableRespiratory:Not available

# **Sensitization**

Conclusion/Summary

Skin : Not available
Respiratory : Not available

# **Mutagenicity**

XB-90K5-LF Page:9/14

Conclusion/Summary : Not available

**Carcinogenicity** 

Conclusion/Summary : Not available

**Reproductive toxicity** 

Conclusion/Summary : Not available

**Teratogenicity** 

Conclusion/Summary : Not available

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Diethylene Glycol Ethyl Ether Acetate	Category 3		Narcotic effects
Vinyl Acetate	Category 3		Respiratory tract irritation Narcotic effects
Triethanolamine	Category 3		Respiratory tract irritation

**Specific target organ toxicity (repeated exposure)** 

Product/ingredient name	Category	Route of exposure	Target organs
Diethylene Glycol Ethyl Ether Acetate	Category 1		central nervous system (CNS)
Vinyl Acetate	Category 1		central nervous system (CNS) skin
Triethanolamine	Category 2		liver kidneys

# **Aspiration hazard**

Not available

Information on the likely routes of :

Not available

exposure

# Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : Exposure to decomposition products may cause a health hazard.

Serious effects may be delayed following exposure.

**Skin contact** : May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

# Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

XB-90K5-LF Page: 10/14

**Inhalation** : No specific data.

**Skin contact**: Adverse symptoms may include the following:

irritation redness

**Ingestion** : No specific data.

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

### **Short term exposure**

Potential immediate effects: Not availablePotential delayed effects: Not available

Long term exposure

Potential immediate effects : Not available
Potential delayed effects : Not available

Potential chronic health effects

**Conclusion/Summary** : Not available

**General** : Causes damage to organs through prolonged or repeated exposure:

Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

**Carcinogenicity**: Suspected of causing cancer. Risk of cancer depends on duration and

level of exposure.

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.

# Numerical measures of toxicity

#### **Acute toxicity estimates**

Not available

# Section 12. Ecological information

# **Toxicity**

Product/ingredient name	Result	Species	Exposure
vinyl acetate			
	Acute LC50 14,000 µg/l Fresh water	Fish - Fathead minnow	96 h
2,2',2"-nitrilotriethanol			
	Acute LC50 11,800,000 µg/l Fresh water	Fish - Fathead minnow	96 h
	Chronic NOEC 16 mg/l Fresh water	Aquatic invertebrates. Water flea	21 d

Conclusion/Summary : Not available

### Persistence/degradability

XB-90K5-LF Page: 11/14

Conclusion/Summary : Not available

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Vinyl Acetate	0.73	3.16	low
Triethanolamine	-1	3.90	low

#### **Mobility in soil**

**Soil/water partition coefficient** 

(KOC)

Other adverse effects

Not available

No known significant effects or critical hazards.

# Section 13. Disposal considerations

# **Disposal methods**

The generation of waste should be avoided or minimized wherever possible. 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# **Section 14. Transport information**

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

### **International transport regulations**

CFR Non-regulated

TDG Non-regulated

IMO/IMDG Non-regulated

IATA (Cargo) Non-regulated

XB-90K5-LF Page: 12/14

\*PG: Packing group

Special precautions for user

: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.'

# Section 15. Regulatory information

### **United States**

**HCS Classification** : Carcinogen

Target organ effects

U.S. Federal regulations : United States - TSCA 12(b) - Chemical export notification: None

required.

United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not

listed

United States - TSCA 5(e) - Substances consent order: Not listed

### **SARA 313**

		Product name	CAS number
Form R - Reporting		Ethanol, 2-(2-	112-15-2
requirements		ethoxyethoxy)-, acetate	
	:	Acetic acid ethenyl ester	108-05-4
Supplier notification	:	Ethanol, 2-(2-	112-15-2
		ethoxyethoxy)-, acetate	
	:	Acetic acid ethenyl ester	108-05-4

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

# California Prop. 65:

: WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer., WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Methanol	No.	Yes.	No.	No.
Formaldehyde	Yes.	No.	40 μg/day	No.
Acetaldehyde	Yes.	No.	90 μg/day	No.
Benzene, methyl-	No.	Yes.	No.	7,000 µg/day
Sulfuric acid	Yes.	No.	No.	No.
Ethanol, 2,2'-iminobis-	Yes.	No.	No.	No.

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

XB-90K5-LF Page: 13/14

### Canada

WHMIS (Canada) : Class D-2A: Material causing other toxic effects (Very toxic).

Class D-2B: Material causing other toxic effects (Toxic).

**Canadian lists** 

Canadian NPRI : None required.

**CEPA Toxic substances** : None required.

# **International regulations**

**International lists** : Australia inventory (AICS): All components are listed or exempted.

**Canada inventory:** All components are listed or exempted.

Japan inventory: Not determined.

China inventory (IECSC): Not determined.

**Korea inventory:** Not determined.

New Zealand Inventory (NZIoC): Not determined. Philippines inventory (PICCS): Not determined.

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

Taiwan inventory (CSNN): Not determined.

# **Section 16. Other information**

Hazardous Material Information System III (U.S.A.):

Health	*	1
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

Full text of abbreviated H : Not applicable.

statements

# **History**

Date of printing: 07/28/2015Date of issue/Date of revision: 03/28/2015Date of previous issue: 11/20/2010

Version : 5.0

Prepared by

Key to abbreviations

: Product Safety Stewardship

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From

XB-90K5-LF Page:14/14

Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

UN = United Nations

**References** : Not available

# Notice to reader

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. HEXION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

® and (TM) Licensed trademarks of Hexion Inc.