

# SAFETY DATA SHEET

## Section 1. Identification

<b>Product identifier</b>	: Biosolve(TM) Acid-A_Foam XL
<b>Material Number</b>	: 57804646
<b>Identified uses</b>	: Cleaning agents
<b>Supplier/Manufacturer</b>	: LANXESS Corporation Product Safety & Regulatory Affairs 111 RIDC Park West Drive Pittsburgh, PA 15275-1112
<b>In case of emergency</b>	: For Information: US/Canada (800) LANXESS) International: +1 412 809 1000 CHEMTREC (800) 424 9300 International (703) 527 3887 Lanxess Emergency Phone: (866) 673 6350

## Section 2. Hazards identification

<b>HAZCOM Standard Status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Physical state</b>	: Liquid.
<b>Color</b>	: Yellow
<b>Classification of the substance or mixture</b>	: SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1
<b>Hazard pictograms</b>	: 
<b>Signal word</b>	: Danger
<b>Hazard statements</b>	: Causes severe skin burns and eye damage.
<b>Hazard Not Otherwise Classified (HNOC)</b>	: None known.
<b>Precautionary statements</b>	
<b>Prevention</b>	: Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling.
<b>Response</b>	: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Storage</b>	: Store locked up.
<b>Disposal</b>	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Ingredient name	%	CAS number
sulphamic acid	10 - <20	5329-14-6
Phosphoric acid	≤10	7664-38-2
Glycolic Acid	≤5	79-14-1
Coconut oil amidopropyl betaine	<1	61789-40-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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 and hence require reporting in this section.**

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

## Section 4. First aid measures

### Description of first aid measures

- Eye contact** : Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. In case of contact with eyes, flush eyes with plenty of water for at least 30 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration, or oxygen by a trained professional, using a pocket type respirator.
- Skin contact** : In case of contact, flush skin with plenty of water for at least 30 minutes. Get medical attention immediately. Immediately remove contaminated clothing and shoes. Wash contaminated skin with soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Wash out mouth with water. 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. 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. Chemical burns must be treated promptly by a physician. 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.

### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- Skin contact** : Causes severe burns.
- Ingestion** : May cause burns to mouth, throat and stomach.

### Over-exposure signs/symptoms

- Eye contact** : Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.
- Inhalation** : No specific data.
- Skin contact** : Corrosive with symptoms of reddening, itching, swelling, burning and possible permanent damage.

## Section 4. First aid measures

**Ingestion** : Corrosive with symptoms of coughing, burning, ulceration, and pain.

### Potential chronic health effects

No known significant effects or critical hazards.

**Notes to physician** : Treat symptomatically. No specific treatment.

**Protection of first-aiders** : If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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** : Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Water runoff from fire fighting may be corrosive.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
phosphorus oxides

**Special protective actions for fire-fighters** : 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 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**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 containment and cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. 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). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Conditions for safe storage** : 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. Separate from alkalis. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 8. Exposure controls/personal protection

### Occupational exposure limits

Ingredient name	Exposure limits
sulphamic acid Phosphoric acid	None <b>ACGIH TLV (United States, 3/2016).</b> TWA: 1 mg/m <sup>3</sup> 8 hours. STEL: 3 mg/m <sup>3</sup> 15 minutes. <b>OSHA PEL (United States, 6/2016).</b> TWA: 1 mg/m <sup>3</sup> 8 hours.
Glycolic Acid Coconut oil amidopropyl betaine	None None

- 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.

### Personal protection

- 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : 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. A NIOSH approved air purifying respirator with organic vapor cartridges and particulate prefilter can be used to minimize exposure.
- Skin protection** : Permeation resistant clothing and foot protection. Permeation resistant gloves.
- Eye/face protection** : chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. If contact with product is possible, wear safety glasses with side shields.
- Medical Surveillance** : Not available.

## Section 9. Physical and chemical properties

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Yellow
<b>Odor</b>	: Slight musty
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: 0.5 to 1.5
<b>Boiling point</b>	: 96 °C (1013 hPa)
<b>Melting point</b>	: 0°C (32°F)
<b>Flash point</b>	: Closed cup: Not applicable.
<b>Evaporation rate</b>	: Not available.
<b>Explosion limits</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Density</b>	: 8.26 to 9.26 g/cm <sup>3</sup>
<b>Specific gravity (Relative density)</b>	: 1.05
<b>Bulk density</b>	: 1.05 kg/m <sup>3</sup>
<b>Solubility in water</b>	: Easily soluble in the following materials: cold water
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Viscosity</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

<b>Information on the likely routes of exposure</b>	: Dermal contact. Eye contact.
<b>Potential acute health effects</b>	
<b>Eye contact</b>	: Causes serious eye damage.
<b>Inhalation</b>	: May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
<b>Skin contact</b>	: Causes severe burns.
<b>Ingestion</b>	: May cause burns to mouth, throat and stomach.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Eye contact</b>	: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.
<b>Inhalation</b>	: No specific data.

## Section 11. Toxicological information

**Skin contact** : Corrosive with symptoms of reddening, itching, swelling, burning and possible permanent damage.

**Ingestion** : Corrosive with symptoms of coughing, burning, ulceration, and pain.

### Potential chronic health effects

#### Short term exposure

**Potential immediate effects** : Not available.

#### Long term exposure

**Potential delayed effects** : Not available.

**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.

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	Test
sulphamic acid	LD50 Oral	Rat	>2000 mg/kg	-	OECD 401 Acute Oral Toxicity
Phosphoric acid	LD50 Oral	Rat	2600 mg/kg *	-	OECD 423 Acute Oral toxicity - Acute Toxic Class Method
Glycolic Acid	LD50 Oral	Rat	1950 mg/kg	-	-
Coconut oil amidopropyl betaine	LD50 Oral	Rat	1500 mg/kg	-	-
sulphamic acid	LD50 Dermal	Rat - Male, Female	>2000 mg/kg bw/day	-	402 Acute Dermal Toxicity
Coconut oil amidopropyl betaine	LD50 Dermal	Rat	>2000 mg/kg	-	-

**Conclusion/Summary** : Phosphoric acid:\* The results refer to active ingredient.75%

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation	Reversibility
sulphamic acid	Eyes - Cornea opacity	Rabbit	2	-	4 hours	Fully reversible
	Eyes - Redness of the conjunctivae	Rabbit	1.5	-	7 days	Fully reversible
	Eyes - Edema of the conjunctivae	Rabbit	1.5	-	7 days	Fully reversible in more than 7 days
Phosphoric acid	Skin - Edema	Rabbit	2.8	-	-	-
	Skin - Erythema/Eschar	Rabbit	4	-	-	-
	Skin - Primary dermal irritation index (PDII)	Rabbit	6.6	-	-	-

**Conclusion/Summary**

## Section 11. Toxicological information

**Skin** : sulphamic acid:irritant (Rabbit) OECD 404 Acute Dermal Irritation/Corrosion  
 Phosphoric acid:corrosive  
 Coconut oil amidopropyl betaine:Irritant

**Eyes** : sulphamic acid:Moderate irritant , OECD 405 Acute Eye Irritation/Corrosion  
 Phosphoric acid:corrosive  
 Coconut oil amidopropyl betaine:Irritant

### Sensitization

Product/ingredient name	Route of exposure	Species	Result
Glycolic Acid	skin	Guinea pig	Not sensitizing

**Skin** : sulphamic acid:Not sensitizing to the skin in an animal study.  
 Coconut oil amidopropyl betaine:sensitizer

### Chronic toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Phosphoric acid	Chronic NOAEL Oral	Rat	250 mg/kg	days per week

### Mutagenicity

Product/ingredient name	Test	Experiment	Result
sulphamic acid	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: With and Without	Negative
	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: With and Without	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Metabolic activation: With and Without	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Metabolic activation: With and Without	Negative
	OECD 487 <i>In vitro</i> Micronucleus Test	Experiment: In vitro Subject: Mammalian-Human Metabolic activation: with and without	Negative
Phosphoric acid	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: +/-	Negative
	OECD 471 Bacterial Reverse Mutation Test / Ames test	Experiment: In vitro Subject: Bacteria Metabolic activation: +/-	Negative
	OECD 473 <i>In vitro</i> Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic Metabolic activation: +/-	Negative

### Carcinogenicity

## Section 11. Toxicological information

Product/ingredient name	CAS #	IARC	NTP	OSHA
sulphamic acid	5329-14-6	Not classified.	Not classified.	Not classified.
Phosphoric acid	7664-38-2	Not classified.	Not classified.	Not classified.
Glycolic Acid	79-14-1	Not classified.	Not classified.	Not classified.
Coconut oil amidopropyl betaine	61789-40-0	Not classified.	Not classified.	Not classified.

### Reproductive toxicity

**Conclusion/Summary** : Phosphoric acid:No effects on Reproductive parameters observed at doses tested.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
sulphamic acid	Category 3	Not applicable.	Respiratory tract irritation
Coconut oil amidopropyl betaine	Category 3	Not applicable.	Respiratory tract irritation

### Acute toxicity estimates

Route	ATE value (Acute Toxicity Estimates)
Oral	30372.7 mg/kg

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Test	Result	Species	Exposure
sulphamic acid	OECD 201 Alga, Growth Inhibition Test	Acute EC50 48 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test	Acute EC50 71.6 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	OECD 209 Activated Sludge, Respiration Inhibition Test	Acute EC50 >200 mg/l Fresh water	Micro-organism	3 hours
	OECD 203 Fish, Acute Toxicity Test	Acute LC50 70.3 mg/l Fresh water	Fish - Pimephales promelas	96 hours
	OECD 201 Alga, Growth Inhibition Test	Chronic EC10 29.5 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	OECD 201 Alga, Growth Inhibition Test	Chronic NOEC 18 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
Phosphoric acid	OECD 201 Alga, Growth Inhibition Test	NOEC 100 mg/l	Algae - Desmodesmus subspicatus	72 hours
	OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test	Acute EC50 >100 mg/l	Daphnia - Daphnia magna	48 hours
	OECD 201 Alga, Growth Inhibition Test	Acute IC50 >100 mg/l	Algae - Desmodesmus subspicatus	72 hours
	OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test	Chronic NOEC 56 mg/l	Daphnia - Daphnia magna	48 hours
Glycolic Acid	-	Acute LC50 >5000 mg/l	Fish - Danio rerio	96 hours

**Conclusion/Summary** : Not available.

### Persistence and degradability

## Section 12. Ecological information

**Conclusion/Summary** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Glycolic Acid	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Glycolic Acid	-1.11	-	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. 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. Waste disposal should be in accordance with existing federal state, provincial and or local environmental controls laws.

**RCRA classification** : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	UN3264	Corrosive liquid, acidic, inorganic, n.o.s. (SULFAMIC ACID, PHOSPHORIC ACID)	8	II		B2, IB2, T11, TP2, TP27
<b>IMDG Class</b>	UN3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULFAMIC ACID, PHOSPHORIC ACID)	8	II		<b>Emergency schedules (EmS)</b> F-A, S-B
<b>IATA-DGR Class</b>	UN3264	Corrosive liquid, acidic, inorganic, n.o.s. (SULFAMIC ACID, PHOSPHORIC ACID)	8	II		<b>Passenger aircraft</b> 851: 1 L <b>Cargo aircraft</b> 855: 30 L

PG\* : Packing group

**RQ** : 0 lbs

## Section 15. Regulatory information

**SARA 311/312** : Immediate (acute) health hazard

**SARA Title III Section 302** : None

**Extremely Hazardous Substances**

**SARA Title III Section 313** : None

**Toxic Chemicals**

	<u>Ingredient name</u>	<u>CAS number</u>	<u>RQ</u>
<b>US EPA CERCLA Hazardous Substances (40 CFR 302.4)</b>	Phosphoric acid	7664-38-2	5000 lbs. (2270 kg)

**State regulations**

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

<u>Ingredient name</u>	<u>CAS number</u>	<u>State Code</u>	<u>Concentration (%)</u>
Phosphoric acid	7664-38-2	MA - S, NJ - HS, PA - RTK HS	≤10
sulphamic acid	5329-14-6	NJ - HS	10 - <20
Water	7732-18-5		75 - 90
Ethoxylated branched C9-11, C10-rich alcohols	78330-20-8		≤5
Glycolic Acid	79-14-1		≤5

Massachusetts Substances: MA - S

Massachusetts Extraordinary Hazardous Substances: MA - Extra HS

New Jersey Hazardous Substances: NJ - HS

Pennsylvania RTK Hazardous Substances: PA - RTK HS

Pennsylvania Special Hazardous Substances: PA - Special HS

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

<u>Ingredient name</u>	<u>CAS #</u>	<u>Concentration (%)</u>	<u>Cancer</u>	<u>Reproductive</u>
Formaldehyde, solution	50-00-0	<0.1	Yes	

**U.S. Toxic Substances Control Act** : Listed on the TSCA Inventory.

## Section 16. Other information

<b>Hazardous Material Information System</b>	<b>Health</b>	3
	<b>Flammability</b>	0
	<b>Physical hazards</b>	0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme  
\*=Chronic

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**National Fire Protection Association (U.S.A.)** :

## Section 16. Other information



0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

Our method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided as a customer service.

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Product Safety and Regulatory Affairs

▣ Indicates information that has changed from previously issued version.

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