

Safety Data Sheet

Regulation (EC) No. 1907/2006 and its amendment Regulation (EU) 878/2020

Printing Date: February 11, 2025

Version No.: 1.0

Revision: February 11, 2025

SDS REPORT

TAIZHOU BIGE CLEANING PRODUCTS CO., LTD.

NO.02, 8 BUILDING, KANGLE INDUSTRIAL PARK, 18 HONGSANZHONG ROAD, JIAOJIANG DISTRICT, TAIZHOU, ZHEJIANG, CHINA.

SDS Report No.	:	DJ2502070501
Compilation Date	:	February 11, 2025
Trade Name	:	Bio Bowl Cleaner
Composition/Ingredient of The Sample	:	See Section 3 on the SDS
Service Requested	:	Safety Data Sheet (SDS) for the sample with submitted composition.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878, (EC) No 1272/2008 and are provided per attached.

Signed for and on behalf of
Technical Center:



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

• 1.1 Product identifier

Trade name:

Bio Bowl Cleaner USBEZI

• Other means of identification:

UFI code: No available data.

• 1.2 Relevant identified uses of the substance or mixture and uses advised against

• Relevant identified uses:

Used for deodorizing and cleaning purpose.

• Uses advised against:

No available data.

• Reason why uses advised against:

No available data.

• 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

TAIZHOU BIGE CLEANING PRODUCTS CO., LTD.

NO.02, 8 BUILDING, KANGLE INDUSTRIAL PARK, 18 HONGSANZHONG ROAD, JIAOJIANG DISTRICT, TAIZHOU, ZHEJIANG, CHINA.

Tel: +086-576-89801885

Email: info@biggieproducts.com

• Only Representative/other contact point:

Filta Cleaning Products Limited. sales@filta.co.nz

• 1.4 Emergency telephone number

Tel: 0800 764 766 (24 hours available)

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

• 2.1.1 Classification according to regulation (EC) 1272/2008:

The product is not classified according to CLP Regulation.

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Not applicable	Not applicable

• 2.2 Label elements

• Labeling according to Regulation (EC) No 1272/2008:

The product is labelled according to CLP Regulation.

• Hazard pictograms:

Not applicable

• Signal word:

Not applicable

• Hazard-determining components of labelling:

Not applicable

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• **Hazard statements:**

Not applicable

• **Precautionary statement:**

Not applicable

• **Supplemental label elements:**

EUH208: Contains Cocamidopropyl betaine; Orange oil. May produce an allergic reaction.

• **2.3 Other hazards**

None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

• **3.2 Mixtures**

• **Description of the mixture:**

Bio Bowl Cleaner

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Sodium chloride	7647-14-5	-	231-598-3	60-63	None	-
Polyethylene	9002-88-4	-	-	16.7	None	-
Sodium cocoyl glutamate	68187-32-6	-	269-087-2	5-7	Eye Irrit. 2, H319	-
Sodium stearate	822-16-2	-	212-490-5	4-6	None	-
Sodium oleate	143-19-1	-	205-591-0	3-5	Aquatic Chronic 3, H412	-
Sodium palmitate	408-35-5	-	206-988-1	2.5-4	None	-
Microbial preparation	-	-	-	3	None	-
Water	7732-18-5	-	231-791-2	2-3	None	-
Cocamidopropyl betaine	61789-40-0	-	263-058-8	0.33	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	-
Orange oil	8008-57-9	-	-	0.1	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	M=1
Linalool	78-70-6	603-235-00-2	201-134-4	0.07	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Citronellol	106-22-9	-	203-375-0	0.03	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Decanal	112-31-2	-	203-957-4	0.03	Eye Irrit. 2, H319	-

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					Aquatic Chronic 3, H412	
Citral	5392-40-5	605-019-00-3	226-394-6	0.04	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	-

Additional information:

Full text of H- and EUH-statements, see SECTION 16.

SECTION 4: First aid measures

• **4.1 Description of first aid measures**

• **General notes:**

Get medical attention if you feel unwell.

• **Following inhalation:**

Supply with fresh air.

Get medical attention if you feel unwell.

• **Following skin contact:**

Wash with water.

If there are signs of irritation or other symptoms, seek medical attention.

• **Following eye contact:**

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

• **Following ingestion:**

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

• **Self-protection of the first aider:**

Wear disposable, latex free gloves.

• **4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are as indicated in sections 2 and 11.

• **4.3 Indication of any immediate medical attention and special treatment needed:**

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures

• **5.1 Extinguishing media**

• **Suitable extinguishing agents:**

Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Unsuitable extinguishing media:**

No known unsuitable extinguishing media.

• **5.2 Special hazards arising from the substance or mixture**

• **Hazardous combustion products:**

No special hazards arising from the mixture.

• **5.3 Advice for firefighters**

• **Protective equipment:**

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Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

• 6.1.1 For non-emergency personnel

• Protective equipment:

Protective gloves.

• Emergency procedures:

Avoid contact with skin.

• 6.1.2 For emergency responders

• Personal protective equipment:

Protective gloves.

• 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

• 6.3 Methods and material for containment and cleaning up

• 6.3.1 For containment:

Bunding, covering of drains.

• 6.3.2 For cleaning up:

Pick up mechanically.

• 6.3.3 Other information:

Dispose contaminated material as waste according to section 13.

• 6.4 Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling:

• Protective measures:

Avoid contact with skin.

• Measures to prevent fire:

Normal measures for preventive fire protection.

• Measures to prevent aerosol and dust generation:

Ensure well ventilation at workplace.

• Measures to protect the environment:

Avoiding spills or keeping away from drains.

• Advice on general occupational hygiene:

Wear protective gloves.

• 7.2 Conditions for safe storage, including any non-compatibility

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• **Technical measures and storage conditions:**

Store in a cool and well-ventilated place.

• **Packaging materials:**

No special requirements.

• **Requirements for storage rooms and vessels:**

No further requirements.

• **Storage class:**

13.

• **Further information on storage conditions:**

No further requirements.

• **7.3 Specific end use(s)**

• **Recommendations:**

See section 1.2.

• **Industrial sector specific solutions:**

No further requirements.

SECTION 8: Exposure controls/personal protection

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
5392-40-5 Citral		
Poland	27mg/m ³	54mg/m ³
Spain	5ppm	-

• **DNELs:**

DNEL type	DNEL worker value	DNEL consumer value
61789-40-0 Cocamidopropyl betaine		
Systemic effects	Long-term, inhalation exposure	8.22 mg/m ³
	Long-term, dermal exposure	2.33 mg/kg bw/day
	Long-term, oral exposure	-
		833 µg/kg bw/day

• **PNECs:**

PNEC type	Value
61789-40-0 Cocamidopropyl betaine	
Freshwater	3.2 µg/L
Intermittent releases (freshwater)	20 µg/L
Marine water	320 ng/L
Intermittent releases (marine water)	2 µg/L
Sewage treatment plant (STP)	300 mg/L
Sediment (freshwater)	219 µg/kg sediment dw
Sediment (marine water)	21.9 µg/kg sediment dw
Soil	41.9 µg/kg soil dw

• **Additional information:**

The lists valid during the marking were used as basis.

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• 8.2 Exposure controls

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• 8.2.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities.

• 8.2.2. Personal protection equipment

• Eye/face protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses

Protective goggles with side-shields.

• Skin protection

• Hand protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• Other skin protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Face protection



Safety boots



Safety overalls

Face shield, gauntlets, boots, bodysuit are recommended.

• Respiration protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Respiratory equipment

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• Thermal hazards:

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

• 8.2.3 Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• Physical state	Solid
• Color	White and Blue
• Odor & Odor threshold	Characteristic
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	Not determined
• Flammability	Not flammable solid
• Lower and upper explosion limit	Not applicable
• Flash point	Not applicable
• Auto-ignition temperature	Not applicable
• Decomposition temperature	Not determined
• pH	Not determined
• Kinematic viscosity (mm ² /s)	Not applicable
• Solubility	Not applicable
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Approx. 2.5~2.6g/cm ³
• Relative vapor density	Not determined
• Particle characteristics	Not determined

• 9.2 Other information

• 9.2.1 Information with regard to physical hazard classes:

• Explosives	Not applicable
• Flammable gases	Not applicable
• Aerosols	Not applicable
• Oxidising gases	Not applicable
• Gases under pressure	Not applicable
• Flammable liquids	Not applicable
• Flammable solids	Not applicable
• Self-reactive substances and mixtures	Not applicable
• Pyrophoric liquids	Not applicable
• Pyrophoric solids	Not applicable
• Self-heating substances and mixtures	Not applicable
• Substances and mixtures, which emit flammable gases in contact with water	Not applicable
• Oxidizing liquids	Not applicable
• Oxidizing solids	Not applicable
• Organic peroxides	Not applicable
• Corrosive to metals	Not applicable
• Desensitised explosives	Not applicable

• 9.2.2 Other safety characteristics

• Mechanical sensitivity	Not applicable
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• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not applicable
• Evaporation rate	Not applicable
• Miscibility	Not applicable
• Conductivity	Not applicable
• Corrosiveness	Not applicable
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable
• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

• **10.1 Reactivity:**

The product is non-reactive under normal conditions of use, storage and transport.

• **10.2 Chemical stability:**

Under storage at normal ambient temperatures, the product is stable.

• **10.3 Possibility of hazardous reactions:**

No known hazardous reaction.

• **10.4 Conditions to avoid:**

High temperature.

• **10.5 Incompatible materials:**

Strong oxidizing agent and acids.

• **10.6 Hazardous decomposition products:**

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

• **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

• **Acute toxicity:**

Based on available data, the classification criteria are not met.

Species	Effective Dose	Results	Method/Source
68187-32-6 Sodium cocoyl glutamate			
Rat	LD50 - oral	>2000 mg/kg	ECHA registered dossier.
Rabbit	LD50 - dermal	4026.286 mg/kg	ECHA registered dossier.
61789-40-0 Cocamidopropyl betaine			
Rat	LD50-oral	>5000 mg/kg	ECHA registered dossier.
Rabbit	LD50-dermal	2000 mg/kg	ECHA registered dossier.

• **Skin corrosion/irritation:**

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Based on available data, the classification criteria are not met.

• **Serious eyes damage/ irritation:**

Based on available data, the classification criteria are not met.

• **Respiratory or skin sensitization:**

Based on available data, the classification criteria are not met.

• **Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

• **Carcinogenicity:**

Based on available data, the classification criteria are not met.

• **Reproductive toxicity:**

Based on available data, the classification criteria are not met.

• **STOT-single exposure:**

Based on available data, the classification criteria are not met.

• **STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

• **Aspiration hazard:**

Based on available data, the classification criteria are not met.

• **11.2 Information on other hazards**

• **11.2.1 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• **11.2.2 Other information:**

No known other relevant information on adverse health effects.

SECTION 12: Ecological information

• **12.1 Toxicity:**

Species	Effect dose	Test duration	Value
68187-32-6 Sodium cocoyl glutamate			
Danio rerio	LC50	96h	> 120 mg/L
Daphnia magna	NOEC	48h	83.14 mg/L
Raphidocelis subcapitata	EC50	72h	> 100 mg/L
61789-40-0 Cocamidopropyl betaine			
Danio rerio	LC50	96h	2 mg/L
Oncorhynchus mykiss	NOEC	28d	0.16 mg/L
Daphnia magna	EC50	48h	6.4 mg/L
Daphnia magna	NOEC	21d	0.9 mg/L
Ulva lactuca	EC50	48h	30 mg/L

• **12.2 Persistence and degradability:**

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CAS	Substance	Biodegradation	Hydrolysis
68187-32-6	Sodium cocoyl glutamate	50.58(28d)	-
61789-40-0	Cocamidopropyl betaine	>90%(5d)	-

• 12.3 Bio-accumulative potential:

CAS	Substance	Log Pow	BCF
68187-32-6	Sodium cocoyl glutamate	-0.224	3
61789-40-0	Cocamidopropyl betaine	-1.28	70.79

• 12.4 Mobility in soil:

CAS	Substance	Surface tension (mN/m)	Log Koc
68187-32-6	Sodium cocoyl glutamate	42.92	1.18
61789-40-0	Cocamidopropyl betaine	35	2.81

• 12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

• 12.6 Endocrine disrupting properties:

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• 12.7 Other adverse effects:

No known other adverse effects.

• 12.8 Additional ecological information

• General notes:

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

• 13.1 Waste treatment methods

• Recommendation:

Small quantities can be disposed together with household garbage.

Large quantities disposed must be in according to the local/regional/national/ international regulation.

• 13.2 Un-cleaned packaging

• Recommendation:

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• 14.1 UN number or ID number

• ADR/ADN/RID (2023 Edition)	Not applicable/Not regulated, this product is not subject to ADR/ADN/RID.
• IATA-DGR (66th)	Not applicable/Not regulated, this product is not subject to IATA-DGR.
• IMO/IMDG (41-22)	Not applicable/Not regulated, this product is not subject to IMO/IMDG code.

• 14.2 UN proper shipping name

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• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
• IMO/IMDG (41-22)	Not applicable/Not regulated
• IATA-DGR (66th)	Not applicable/Not regulated
• 14.3 Transport hazard class (es)	
• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
• IMO/IMDG (41-22)	Not applicable/Not regulated
• IATA-DGR (66th)	Not applicable/Not regulated
• 14.4 Packing group	
• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
• IMO/IMDG (41-22)	Not applicable/Not regulated
• IATA-DGR (66th)	Not applicable/Not regulated
• 14.5 Environmental hazards	
• Environmentally hazardous (ADR/ADN/RID)	No
• Marine Pollutants (Yes/No)	No
• Special mark (ADR/ADN/RID)	No
• 14.6 Special precautions for user	Not applicable/Not regulated
• Danger code (Kemler)	Not applicable/Not regulated
• EMS number	Not applicable/Not regulated
• 14.7 Maritime transport in bulk according to IMO instruments	Not applicable/Not regulated

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

• MAK (German Maximum Workplace Concentration):

None of the ingredients is listed.

• Directive 2012/18/EU

• Named dangerous substances-ANNEX I:

None of the ingredients is listed.

• Seveso category:

Not applicable

• Qualifying quantity (tonnes) for the application of lower-tier requirements:

Not applicable

• Qualifying quantity (tonnes) for the application of upper-tier requirements:

Not applicable

• National regulations.

• Water hazard class:

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

• Other regulations, limitations and prohibitive regulations

• SVHC Candidate list of REACH Regulation Annex XIV Authorization:

None of the ingredients is listed.

• REACH Regulation Annex XVII Restriction:

None of the ingredients is listed.

• REACH Regulation Annex XIV Authorization List:

None of the ingredients is listed.

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• **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

• **16.1 Indication of changes:**

None.

• **16.2 Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Flam. Liq. 3: Flammable liquids, hazard category 3

Asp. Tox. 1: Aspiration toxicity, hazard category 1

Skin Irrit. 2: Skin corrosion/irritation, hazard category 2

Skin Sens. 1: Skin sensitization, hazard category 1

Skin Sens. 1B: Skin sensitization, hazard category 1B

Eye Irrit. 2: Eye damage/irritation, hazard category 2

Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

• **16.3 Key literature references and sources for data:**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>

• **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

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• **16.5 Relevant H- and EUH-phrases (number and full text):**

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H400 Very toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

• **16.6 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

• **16.7 Further information:**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of safety data sheet