

Safety Data Sheet

According to Regulation (EC) No 1907/2006

Room Care R3-Plus Pur-Eco

Revision: 2022-12-01

Version: 05.0

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

1.1 Product identifier

Trade name: Room Care R3-Plus Pur-Eco

UFI: 8ET0-K0VJ-800D-GEXV

1.2 Relevant identified uses of the substance or mixture and uses advised against Product use: Hard surface cleaner.

Hard surface cleaner. Glass cleaner. For professional use only.

Uses advised against:

Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_4_1 AISE_SWED_PW_8b_2 AISE_SWED_PW_11_1 AISE_SWED_PW_19_1

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands Tel: 01 8081808 (9am - 5pm Mon-Fri) Email: dublin.orders@diversey.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible). National Poisons Information Centre Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous

2.2 Label elements

Hazard statements: EUH210 - Safety data sheet available on request.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
ethanol	200-578-6	64-17-5	01-2119457610-43	Flam. Liq. 2 (H225)		3-10
butanone	201-159-0	78-93-3	-	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) EUH066		0.1-1

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures

4.1 Description of first aid measures	
Inhalation:	Get medical attention or advice if you feel unwell.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.
4.2 Most important symptoms and effe	ects, both acute and delayed
Inhalation:	No known effects or symptoms in normal use.
Skin contact:	No known effects or symptoms in normal use.
Eye contact:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

No known effects or symptoms in normal use.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Ingestion:

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless adviced by Diversey. Do not breathe spray.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Workplace exposure limits

Air limit values, if available:

Ingredient(s)	Long term value(s)	Short term value(s)
ethanol		1000 ppm
butanone	200 ppm 600 mg/m ³	300 ppm 900 ma/m³

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and **PNEC** values

Human exposure DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
ethanol	-	-	-	87
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
ethanol	-	-	-	343
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
ethanol	-	-	-	206
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
ethanol	1900	-	-	950
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
ethanol	950	-	-	114
butanone	No data available	No data available	No data available	No data available

Environmental exposure - PNFC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
ethanol	0.96	0.79	2.75	580
butanone	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
ethanol	3.6	2.9	0.63	-
butanone	No data available	No data available	No data available	No data available

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the <u>undiluted</u> product:

Appropriate engineering controls: Appropriate organisational controls: No special requirements under normal use conditions. No special requirements under normal use conditions.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a
Automatic transfer and dilution	AISE_SWED_PW_8b_2	PW	PROC 8b	60	ERC8b

Personal protective equipment	
Eye / face protection:	Safety glasses are not normally required. However, their use is recommended in those cases where
, i	splashes may occur when handling the product (EN 166).
Hand protection:	No special requirements under normal use conditions.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 10

Appropriate engineering controls: Provide a good standard of general ventilation. Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

	SWED	LCS	PROC	Duration	ERC
				(min)	
Spray application	AISE_SWED_PW_11_1	PW	PROC 11	60	ERC8a
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

Personal protective equipment

Eye / face protection:	No special requirements under normal use conditions.
Hand protection:	No special requirements under normal use conditions.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	Trigger spray bottle application: No special requirements under normal use conditions. Apply
	technical measures to comply with the occupational exposure limits, if available.

No special requirements under normal use conditions.

Environmental exposure controls:

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

Physical state: Liquid Colour: Clear , Blue Odour: Product specific Odour threshold: Not applicable Melting point/freezing point (°C): Not determined Initial boiling point and boiling range (°C): Not determined

Not relevant to classification of this product See substance data

Substance data, boiling point			
Ingredient(s)	Value	Method	Atmospheric pressure
	(°C)		(hPa)
ethanol	78.4	Method not given	
butanone	No data available		

Method / remark

Weight of evidence

closed cup

Flammability (solid, gas): Not applicable to liquids Flammability (liquid): Not flammable. **Flash point (°C):** > 38 °C Sustained combustion: The product does not sustain combustion (UN Manual of Tests and Criteria, section 32, L.2) Lower and upper explosion limit/flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

Autoignition temperature: Not determined

Method / remark

Decomposition temperature: Not app	licable.	
pH: ≈ 7 (neat)		ISO 4316
Dilution pH: ≈ 6 (10 %)		ISO 4316
Kinematic viscosity: Not determined		
Solubility in / Miscibility with water:	Fully miscible	

Substance data, solubility in water

Ingredient(s)	Value	Method	Temperature
	(g/l)		(°°)
ethanol	No data available		
butanone	No data available		

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

See substance data

Vapour pressure: Not determined Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
ethanol	5800	Method not given	
butanone	No data available		

Relative density: ≈ 1.00 (20 °C) Relative vapour density: No data available. Particle characteristics: No data available.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties:Not explosive. Vapours may form explosive mixtures with air.Oxidising properties:Not oxidising.Corrosion to metals:Not corrosive

9.2.2 Other safety characteristics

No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture data:.

Relevant calculated ATE(s): ATE - Oral (mg/kg): >2000

Substance data, where relevant and available, are listed below:.

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Method / remark

OECD 109 (EU A.3) Not relevant to classification of this product Not applicable to liquids.

Not oxidising, based on substance properties Weight of evidence

Acute toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
ethanol	LD 50	5000	Rat	OECD 401 (EU B.1)		Not established
butanone	LD 50	3300	Rat	Method not given		1.4e+006

Acute dermal toxicity

Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
LD 50	> 10000	Rabbit	OECD 402 (EU B.3)		Not established
	No data available				Not established
		(mg/kg) LD 50 > 10000	(mg/kg) LD 50 > 10000 Rabbit No data	(mg/kg) OECD 402 (EU B.3) LD 50 > 10000 Rabbit OECD 402 (EU B.3) No data	(mg/kg) time (h) LD 50 > 10000 Rabbit OECD 402 (EU B.3) No data

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanol	LC 50	> 1800	Rat	Non guideline test	4
butanone		No data available			

Acute inhalative toxicity, continued

Ingredient(s)	,	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas
ethanol	(mg/l) Not established	Not established	Not established	(mg/l) Not established
butanone	Not established	Not established	10000	Not established

Irritation and corrosivity Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	
butanone	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	Irritant	Rabbit	OECD 405 (EU B.5)	
butanone	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	No data available			
butanone	No data available			

Sensitisation Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
ethanol	Not sensitising			
butanone	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	No data available			
butanone	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
ethanol	No data available		No data available	
butanone	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
ethanol	No data available
butanone	No data available

Toxicity for reproduction							
Ingredient(s)	Endpoint	Specific effect	Value	Species	Method	Exposure	Remarks and other effects

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	(mg/kg bw/d)		time	reported
ethanol	No data			
	available			
butanone	No data			
	available			

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity						
Ingredient(s)	Endpoint	Value	Species	Method		Specific effects and organs
		(mg/kg bw/d)			time (days)	affected
ethanol		No data				
		available				
butanone		No data				
		available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value	Species	Method		Specific effects and organs
		(mg/kg bw/d)			time (days)	affected
ethanol		No data				
		available				
butanone		No data				
		available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Specific effects and organs
		(mg/kg bw/d)			time (days)	affected
ethanol		No data				
		available				
butanone		No data				
		available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
ethanol			No data available					
butanone			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
ethanol	No data available
butanone	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
ethanol	No data available
butanone	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

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Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanol	LC 50	8150	Alburnus alburnus	Method not given	96
butanone	LC 50	3220	Pimephales promelas	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value	Species	Method	Exposure
		(mg/l)			time (h)
ethanol	EC 50	5012	Daphnia magna Straus	Method not given	48
butanone	EC 50	5091	Daphnia magna Straus	Method not given	48

Aquatic short-term toxicity - algae Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanol	EC 50	675	Scenedesmus quadricauda Not specified	Method not given	72
butanone	IC 50	4300	Scenedesmus quadricauda	Method not given	168

Aquatic short-term toxicity - marine species								
Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)			
ethanol		No data						
		available						
butanone		No data						
		available						

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
ethanol	EC o	6500	Pseudomonas putida	Method not given	16 hour(s)
butanone	EC ₅	1150	Pseudomonas putida	Method not given	16 hour(s)

Aquatic long-term toxicity Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
ethanol		No data available				
butanone		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
		(mg/l)			time	
ethanol		No data				
		available				
butanone		No data				
		available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
ethanol		No data				
		available				
butanone		No data				
		available				

Terrestrial toxicity Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability

Abiotic degradation Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
ethanol	Activated sludge,	Oxygen depletion	> 60% in 10 day(s)	OECD 301B	Readily biodegradable
	aerobe				
butanone				OECD 301D	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Ingredient(s)	Value	Method	Evaluation	Remark
ethanol	-0.31	Weight of evidence	No bioaccumulation expected	
butanone	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
ethanol	0.5		Weight of evidence	No bioaccumulation expected	
butanone	No data available				

12.4 Mobility in soil

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
ethanol	No data available				
butanone	No data available				

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

oil or codimont

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	The concentrated contents or contaminated packaging should be disposed of by a certified handler
Waste from residues / unused	or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging
products:	material is suitable for energy recovery or recycling in line with local legislation.
European Waste Catalogue:	20 01 30 - detergents other than those mentioned in 20 01 29.
Empty packaging Recommendation: Suitable cleaning agents:	Dispose of observing national or local regulations. Water, if necessary with cleaning agent.

SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

14.3 Transport hazard class(es): Non-dangerous goods

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

14.6 Special precautions for user: Non-dangerous goods

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-dangerous goods

SECTION 15: Regulatory information

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

EU regulations:

• Regulation (EC) No. 1907/2006 - REACH

• Regulation (EC) No 1272/2008 - CLP

• Regulation (EC) No. 648/2004 - Detergents regulation

• substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

• Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

• International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to EC Detergents Regulation 648/2004

anionic surfactants, non-ionic surfactants perfumes

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

< 5 %

Seveso - Classification: Not classified

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS1000687

Version: 05.0

Revision: 2022-12-01

Reason for revision:

This data sheet contains changes from the previous version in section(s):, 1, 2, 3, 8, 16, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Full text of the H and EUH phrases mentioned in section 3:

- H225 Highly flammable liquid and vapour.
- · H319 Causes serious eye irritation.

 H336 - May cause drowsiness or dizziness. EUH066 - Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms:

· AISE - The international Association for Soaps, Detergents and Maintenance Products

- ATE Acute Toxicity Estimate
- DNEL Derived No Effect Limit
- EC50 effective concentration, 50%
- · ERC Environmental release categories • EUH - CLP Specific hazard statement
- LC50 Lethal Concentration, 50% / Median Lethal Concentration

- LCS Life cycle stage
 LD50 Lethal Dose, 50% / Median Lethal dose
 NOAEL No observed adverse effect level
 NOEL No observed effect level
 OECD Organisation for Economic Cooperation and Development
 PBT Persistent, Bioaccumulative and Toxic
 PNEC Predicted No Effect Concentration
 PBCO Dreases estagation

- PROC Process categories
 REACH number REACH registration number, without supplier specific part
 vPvB very Persistent and very Bioaccumulative

End of Safety Data Sheet