

Safety Data Sheet

Summer Screen wash -5°C

Replaces date: 03/04/2020

Revision date: 29/03/2023

Version: 2.0.0

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

1.1. Product identifier

Trade name: Summer Screen wash -5°C

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

Recommended uses: Car care product.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Kramp UK Ltd
Address: Unit 5
Lancaster Way
Zip code: SG18 8YL
City: Biggleswade
Country: UNITED KINGDOM
E-mail: sales.uk@kramp.com
Phone: +44(0)1767 602 600

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 3;H226

Most serious harmful effects: Flammable liquid and vapour. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. May cause slight irritation to the skin and eyes.

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2.2. Label elements

Pictograms



Signal word:

Warning

Hazard Statements

H226

Flammable liquid and vapour.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P103

Read label before use.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P302/352

IF ON SKIN: Wash with plenty of soap and water.

P501

Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.
Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
ethanol	64-17-5 200-578-6 01-2119457610-43	2.5 -< 10 %		Flam. Liq. 2;H225 Eye Irrit. 2;H319
2-aminoethanol	141-43-5 205-483-3 01-2119486455-28	< 1 %		Acute Tox. 4;H302 Acute Tox. 4;H312 Skin Corr. 1B;H314 Acute Tox. 4;H332 C ≥ 5%: STOT SE 3; H335 C ≥ 5%: STOT SE 3; H335
Ethanediol	107-21-1 203-473-3 01-2119456816-28	< 1 %		Acute Tox. 4;H302 STOT RE 2;H373

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin contact:

Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

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Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Keep unnecessary personnel away. Wear safety goggles if there is a risk of eye splash. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Provide adequate ventilation. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment must be available. A safety shower must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area. Do not expose to heat (e.g. sunlight). Store at temperatures below 40°C. Do not store with the following: Strong acids/ Strong alkalis.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Remarks	Comments
ethanol	8h	1.000	1.920			
ethanol	15m					
2-aminoethanol	8h	1	2.5			Sk
2-aminoethanol	15m	3	7.6			Sk
Ethanediol	8h		10		Particulate	Sk
Ethanediol	8h	20	52		vapour	Sk
Ethanediol	15m				Particulate	Sk
Ethanediol	15m	40	104		vapour	Sk

Sk = Can be absorbed through the skin.

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis:

EH40/2005 Workplace exposure limits. Last amended January 2020.

PNEC

ethanol, cas-no 64-17-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC STP (wastewater-treatment facilities)	580 mg/l			
PNEC oral (foodstuffs)	720 g/kg			
PNEC aqua (freshwater)	0,96 mg/l			
PNEC aqua (marine water)	0,79 mg/l			
PNEC sediment (freshwater)	3,6 mg/kg			
2-aminoethanol, cas-no 141-43-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note

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PNEC STP (wastewater-treatment facilities)	100 mg/l			
PNEC soil	0,035 mg/kg			
PNEC aqua (freshwater)	0,085 mg/l			
PNEC aqua (marine water)	0,0085 mg/l			
PNEC sediment (freshwater)	0,425 mg/kg			
PNEC sediment (marine water)	0,0425 mg/kg			

DNEL - workers

ethanol, cas-no 64-17-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	343 mg/kg				
Inhalation DNEL (long-term exposure - systemic effects)	950 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	1900 mg/m ³				

2-aminoethanol, cas-no 141-43-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	1 mg/kg				
Inhalation DNEL (long-term exposure - local effects)	3,3 mg/m ³				

DNEL - general population

ethanol, cas-no 64-17-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	87 mg/kg				
Dermal DNEL (long-term exposure - systemic effects)	206 mg/kg				
Inhalation DNEL (long-term exposure - systemic effects)	114 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	950 mg/m ³				

2-aminoethanol, cas-no 141-43-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
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Oral DNEL (long-term exposure - systemic effects)	3,75 mg/kg				
Dermal DNEL (long-term exposure - systemic effects)	0,24 mg/kg				
Inhalation DNEL (long-term exposure - local effects)	2 mg/m³				

8.2. Exposure controls

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection:

Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, hand protection:

Wear gloves. Type of material: Nitrile rubber. Gloves must conform to EN 374. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit	
State	Liquid	
Colour	Blue	
Odour	Citrus	
Solubility	Soluble in the following: Water.	

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	98 °C	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	48 °C	
Auto-ignition temperature	400 °C	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	6 - 10	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	2.514 kPa	20 °C.
Density	1003 kg/m³	
Relative density	1.003	
Vapour density	No data	

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Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
VOC	10 %	

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong alkalis/ Strong acids.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources. Avoid temperatures > 40°C.

10.5. Incompatible materials

Strong acids/ Strong alkalis.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed:
Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity - oral

ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		6200 mg/kg			

2-aminoethanol, cas-no 141-43-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		500 mg/kg			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		20000 mg/kg			

2-aminoethanol, cas-no 141-43-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		1025 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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Acute toxicity - inhalation

ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4h	124.7 mg/l			

2-aminoethanol, cas-no 141-43-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4 h	11 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation: Temporary irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache. The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna	48 h	48hEC50	9268 mg/l			
Fish	Alburnus alburnus	96 h	96hLC50	11000 mg/l			
Algae	Microcystis aeruginosa	192 h	EC50	1450 mg/l			

2-aminoethanol, cas-no 141-43-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Cyprinus carpio	96 h	96hLC50	349 mg/l			

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Crustacea	Daphnia magna	48 h	48hEC50	65 mg/l			
Algae	Scenedesmus subspicatus	72 h	72hEC50	22 mg/l			

Ethanediol, cas-no 107-21-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas	96 h	96hLC50	53000 mg/l			
Crustacea	Daphnia magna	48 h	48hEC50	51000 mg/l			
Algae	Selenastrum capricornutum	168 h	EC50	24000 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		14 d		89 %			

2-aminoethanol, cas-no 141-43-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		21 d		90 %			

Ethanediol, cas-no 107-21-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		14 d		90 %			

The product contains at least one readily biodegradable substance.

12.3. Bioaccumulative potential

ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	-0.31			
			BCF	3			

2-aminoethanol, cas-no 141-43-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			BCF	10			
			Log Pow	-1.31			

Ethanediol, cas-no 107-21-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			BCF	10			
			Log Pow	-1.36			

No bioaccumulation expected.

12.4. Mobility in soil

ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Koc	0			

2-aminoethanol, cas-no 141-43-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Koc	-0.57			

Ethanediol, cas-no 107-21-1

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Koc	< -1			

The product contains at least one substance with high soil mobility.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid release to the environment. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

Category of waste: EWC code: Depends on line of business and use, for instance 07 06 04* other organic solvents, washing liquids and mother liquors
15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	1993	14.4. Packing group:	III
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:		Tunnel restriction code:	E
Other Information:	-		

Inland water ways transport (ADN)

14.1. UN number or ID number:	1993	14.4. Packing group:	III
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Transport in tank vessels:	-	Other Information:	-

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Sea transport (IMDG)

14.1. UN number or ID number:	1993	14.4. Packing group:	III
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol)	14.5. Environmental hazards:	The product is not a Marine Pollutant (MP).
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3	IMDG Code segregation group:	- None -
EmS:	F-E, S-E		

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:	1993	14.4. Packing group:	III
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3	Other Information:	-
Hazard label(s):	3		

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions:

Directive 2012/18/EU (Seveso), P5c FLAMMABLE LIQUIDS: Column 2: 5000 t, Column 3: 50000 t.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	29/03/2023	Bureau Veritas HSE / SJU	2,11,12,16

Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity

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vPvB: Very Persistent and Very Bioaccumulative
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration

Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:

Calculation based on the hazards of the known components. Test data.

List of relevant H-statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

SDS is prepared by

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