



Safety Data Sheet – ProFlake RTU

In accordance with Regulation (EC) No. 1907/2006 (REACH) and its amendment Regulation (EC) No. 453/2010

1. Identification of substances

- 1.1 Trade Name:** ProFlake 'Ready to Use'
- 1.2 Supplier:** Snow Business International Ltd, Snow Mill, Ebley, Stroud, Glos, GL5 4TR, UK.
- 1.3 Contact:** Symon Doliczny
- 1.4 Telephone:** +44 (0) 1453 840088
- 1.5 Applications:** A ready to use liquid designed to be put into specialist artificial falling snow machines that aerate the liquid into a stream of air allowing it to fall like natural snow. For use as an artificial falling snow only. Not designed for use as a snow dressing.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH phrases

EUH210-Safety data sheet available on request

Security closing plug for children

No

Tactile warning

No

2.3. Other hazards

Adverse physicochemical, human health and environmental effects

None under normal use conditions.

3. Composition/Information on Ingredients

3.1 ProFlake 'Ready to Use' liquid

An aqueous blend of anionic, non-ionic, and zwitterionic surfactants, solvents, and stabilisers.

3.2 ProFlake aerated as artificial snowflakes

As (3.1) above but aerated so the flake comprises of approximately ≥95% (by volume) of air and ≤5% (by volume) liquid.

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4. First Aid Measures

4.1 Description of first aid measures

First-aid measures after inhalation

Not applicable.

First-aid measures after skin contact

Not expected to present a hazard.

If handling fluid on a regular basis, for example at the warehouse mixing large batches, it is advisable to rinse hands after each exposure.

First-aid measures after eye contact

Not expected to present a significant hazard under anticipated conditions of normal use. If eye does become irritated rinse with water.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use. If the liquid is accidentally drunk it may cause gastrointestinal irritation, nausea, vomiting, diarrhoea and abdominal pain. Do not induce vomiting, get medical attention.

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

Treat symptomatically.

5. Firefighting measures

We assessed the fire risks of ProFlake RTU to be on a par with those of dilute washing up liquid.

5.1. Extinguishing media

Suitable extinguishing media

All extinguishing media can be used. When water is used, set to fine spray rather than jet to avoid dissipation.

5.2. Special hazards arising from the substance or mixture

Fire hazard

None in normal use. The liquid contains 2% alcohol which when heated to over 80°C can produce a small volume of alcohol fumes that are usually dissipated by natural ventilation and would not form any specific risk unless they are deliberately contained within a pressurised vessel with a source of ignition.

5.3. Advice for firefighters

Protection during firefighting No special measures required for this product.

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6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

Not applicable.

6.1.2. For emergency responders

Protective equipment

Not applicable. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not pour the liquid into waterways.

6.3. Methods and material for containment and cleaning up

Stop leaks. Use absorbent material.

Dispose of waste materials at an authorized site.

6.4. Reference to other sections

For further information refer to section

7. Handling and storage.

7.1. Precautions for safe handling

7.1.1 ProFlake 'Ready to Use' liquid

When handling the fluid on a regular basis avoid contact with skin and eyes. Ensure adequate ventilation.

7.1.2 ProFlake aerated as artificial snowflakes

No special measures.

7.2. Conditions for safe storage, including any incompatibilities

Keep liquid out of reach of children. Keep containers closed in a dry and well ventilated place. Keep liquid from freezing. Product is used in the formation of artificial snowflakes. These snowflakes cannot be stored. There are no special measures for handling/contact with these snowflakes.

7.3. Specific end use(s)

8. Personal Protection

8.1. Exposure controls

8.1.1 ProFlake 'Ready to Use' liquid

Personal protective equipment is only required for personnel routinely handling (mixing and pouring) large volumes of the fluid on a daily basis at the warehouse.

Appropriate engineering controls

Ensure good ventilation of the work station.

Hand protection

Protective gloves.

Eye protection

Safety glasses.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Not applicable.

Environmental exposure controls

Do not pour the liquid into waterways.

8.1.2 ProFlake aerated as artificial snowflakes

None required.

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9. Physical data and chemical properties

9.1. Information on basic physical and chemical properties

	ProFlake 'Ready to Use' liquid	ProFlake aerated as artificial snowflakes
Physical state	Liquid	Snowflake (aqueous foam)
Appearance	Mobile liquid	Snowflake
Colour	Colourless, clear	Translucent white
Flash point	Above 80°C alcohol can evaporate creating a small quantity of vapour that may ignite in certain conditions (in a closed environment). The liquid that remains will not combust because it's predominantly water.	Not applicable
Density	~1 g/cm ³	~0.002 g/cm ³
Solubility	Soluble in water.	Soluble in water

10. Stability and reactivity

10.1. Reactivity	Not applicable.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	None under normal conditions of use.
10.4. Conditions to avoid	Do not store liquid below 0°C and above 50°C.
10.5. Incompatible materials	
10.51 ProFlake 'Ready to Use' liquid	Liquid is incompatible with strong acids, alkalis and oxidising agents i.e. the liquid should not be poured into these materials. These incompatible materials are not readily available to the general public.
10.52 ProFlake aerated as artificial snowflakes	Not applicable.
10.6. Hazardous decomposition products	
10.61 ProFlake 'Ready to Use' liquid	None under normal conditions of use-VERY LOW RISK. In normal use the liquid contains less than half a percent of active ingredients which in the case of a fire can produce very small quantities of toxic fumes (carbon dioxide, carbon monoxide and sulphur oxides). The amounts are extremely low and unless the fluid is stored in an exceptionally small space with absolutely no ventilation, the concentrations would not exceed the

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standard permissible exposure limits for long term working.

10.62 ProFlake aerated as artificial snowflakes

Not applicable.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

12. Ecological information

12.1. Toxicity

Ecology - general

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

This product doesn't contain any persistent substances. The surface active components used in this product are anaerobically biodegradable.

12.3. Bioaccumulative potential

Two of the surfactants in this formulation (commonly used in baby shampoos) have a moderate bioaccumulative potential.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No additional information.

12.6. Other adverse effects

This product does not contain PCM or nitromusk perfume components.

13. Disposal considerations

13.1. Waste treatment methods General

Disposal should be in accordance with applicable regional, national and local laws and regulations.

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14. Transport information

In accordance with ADR / RID / IMDG / IATA

ADR	Not regulated
RID	Not regulated
IMDG	Not regulated
IATA	Not regulated

14.1. UN number	Not dangerous in sense of transport regulations
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15. Regulatory information

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

15.1.1. EU-Regulations	Contains no substances with Annex XVII restrictions Contains no REACH candidate substance Contains no REACH Annex XIV substances.
15.1.2 National regulations Germany	12th Ordinance Implementing the Federal Immission Control Is not subject of the 12. BImSchV (Hazardous Act - 12.BImSchV Incident Ordinance)

15.2. Chemical safety assessment	No information available
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Approved

Reviewed 16/09/2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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