

Hairchem Professional

Product Name: **Perm 1 Plus**

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This revision issued: October, 2024

Section 1 - Identification of The Material and Supplier

Chemical nature:

Trade Name:

Other Name:

Product Use:

Manufacturer:

This version issued:

Water solution of ingredients.

Perm 1 Plus

Alkaline Perms & Relaxers

In-salon preparation for permanent waving of hair.

Hairchem Professional 61 Jarrah Drice Braeside 3195 Vic

October, 2014

Section 2 - Hazards Identification

Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R22, R36. Harmful if swallowed. Irritating to eyes.

Safety Phrases: S20, S25. When using, do not eat or drink. Avoid contact with eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: Liquid - various colours and consistencies.

Odour: Characteristic odour of thioglycolate.

Major Health Hazards: harmful if swallowed, eye irritant.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Skin Contact:

Short Term Exposure: Available data indicates that these products are mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Eye Contact:

Short Term Exposure: These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

Ingestion:

Short Term Exposure: These products are an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: Hydrogen Peroxide is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

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Ingredients

Ammonia

Thioglycolic acid-, monoammonium salt

Hydrogen peroxide

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Section 3 - Composition/Information on Ingredients

CAS No

7664-41-7

5421-46-5

7722-84-1

Conc, %

<2

<12

<3

TWA (mg/m₃) STEL (mg/m₃)

17

not set

1.4

24

not set

not set

Other non hazardous ingredientssecretto 100not setnot set

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, and irritation ceased while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of these products are involved in a fire, call the fire brigade.

Flash point:Does not burn.

Upper Flammability Limit:Does not burn.

Lower Flammability Limit:Does not burn.

Autoignition temperature:Does not burn.

Flammability Class:Does not burn.

Section 6 - Accidental Release Measures

Accidental release: While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

Storage: Store in a cool, well ventilated area. Check packaging - there may be further storage instructions on the label.

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Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

SWA Exposure Limits

TWA (mg/m³)

STEL (mg/m³)

Ammonia 1724

Hydrogen peroxide 1.4 not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

Eye Protection: Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

Skin Protection: We suggest that you routinely avoid long term contact with all chemical products and that you wear suitable gloves when lengthy skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:

Odour:

Boiling Point:

Freezing/Melting Point:

Specific Gravity:

Water Solubility:

pH:

Liquid - various colours and consistencies.

Characteristic odour of thioglycolate.

Approximately 100°C at 100kPa.

Approximately 0°C.

1.03-1.05

Completely soluble in water.

8.0-9.5

Section 10 - Stability and Reactivity

Reactivity: These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties. This product must not be mixed with hydrogen peroxide products as a strong reaction will take place, causing the mixture to heat strongly. This may lead to burns to either the salon worker or the customer.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Protect this product from light.

Incompatibilities: No particular Incompatibilities.

Fire Decomposition: These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs:

eyes, skin

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

Ammonia >=0.5% Conc <5%: Xn; R20; R36/37/38

This means that ammonia is considered to be harmful if swallowed, and irritating to skin, eyes and respiratory system at concentrations between 0.5 and 5%. However, we believe that in actual use, the availability of ammonia from this product and its processes will reduce most of these risks - so they are not included in this SDS.

Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

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Section 13 - Disposal Considerations

Disposal: Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

Section 14 - Transport Information

Not relevant for in-salon use.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredients: Ammonia, Hydrogen peroxide, are mentioned in the SUSMP.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code

AICS

SWA

CAS Number

Hazchem Code

IARC

NOS

NTP

R-Phrase

SUSMP

UN Number

Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

Australian Inventory of Chemical Substances

Safe Work Australia, formerly ASCC and NOHSC

Chemical Abstracts Service Registry Number

Emergency action code of numbers and letters that provide information to emergency

services especially firefighters

International Agency for Research on Cancer

Not otherwise specified

National Toxicology Program (USA)

Risk Phrase

Standard for the Uniform Scheduling of Medicines & Poisons

United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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