

SAFETY DATA SHEET

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Section 1: Identification

1.1 Product identifier

Product name: ADVANCED RETINOL SERUM

Product code: AF024

Material uses: Cosmetics

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

Not applicable

1.3 Details of the supplier of the safety data sheet

Supplier

Alchimie Forever LLC

1602 28th ST NW

Washington, DC 20007

USA

Telephone: 1-617-901-5961

Fax: 1-866-351-5587

e-mail address of person responsible for this SDS: ada@alchimie-forever.com

1.4 Emergency telephone number

Natural advisory body / Poison Centre

Emergency telephone number (with hours of operation): USA: 1-800-222-1222

Supplier

Emergency telephone number (with hours of operation): Alchimie Forever LLC:
1-866-351-5587

Section 2: Hazard(s) Identification

2.1 Emergency overview

Caution: some ingredients are potential eye irritants – avoid eye contact

2.2 Hazard ratings

0 (minimal) for health, flammability, reactivity

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Section 3: Composition / Information on Ingredients

INGREDIENT NAME	PERCENT in %	CAS No.	FUNCTION
Water/Aqua	80 - 90	7732-18-5	Solvents
Caprylic / Capric Triglyceride	1 - 3	73398-61-5	Emollients
Isononyl Isononanoate	1 - 3	59219-71-5	Emollients
Glycerin	1 - 3	56-81-5	Humectants
Hydroxyethyl Acrylate/Sodium Acryloyldimethyltaurate Copolymer	1 - 3	111286-86-3	Viscosity Increasing Agents
Allyl Methacrylates Crosspolymer	1 - 3	182212-41-5	Viscosity Increasing Agents
Squalane	1 - 3	111-01-3	Emollients
Simmondsia Chinensis (Jojoba) Seed Oil	1 - 3	61789-91-1	Skin-Conditioning Agents
Retinol	<1	68-26-8	Skin-Conditioning Agents
Camellia Sinensis (Green Tea) Leaf Extract	<1	84650-60-2	Skin-Conditioning Agents
Vaccinium Myrtillus (Bilberry) Fruit Extract	<1	84082-34-8	Skin-Conditioning Agents
Leontopodium Alpinum (Edelweiss) Extract	<1	391900-47-3	Skin-Conditioning Agents
Trifolium Pratense (Clover) Flower Extract	<1	85085-25-2	Skin-Conditioning Agents
Malus Domestica (Apple) Fruit Cell Culture Extract	<1	89957-48-2	Skin-Conditioning Agents
Sodium Hyaluronate	<1	9067-32-7	Skin-Conditioning Agents
Ascorbyl Glucoside	<1	129499-78-1	Antioxidant Agents
Tocopherol	<1	1406-18-4	Antioxidant Agents
Polysorbate 20	<1	9005-64-5	Surfactants
Polysorbate 60	<1	9005-67-8	Surfactants
Sodium Hydroxide	<1	1310-73-2	Buffering Agents
Sodium Metabisulfite	<1	7681-57-4	Buffering Agents
Isomalt	<1	64519-82-0	Buffering Agents
Disodium EDTA	<1	139-33-3	Chelation Agents
Chlorphenesin	<1	886-74-8	Preservatives
Benzyl Alcohol	<1	100-51-6	Preservatives
Benzoic Acid	<1	65-85-0	Preservatives
Sorbic Acid	<1	110-44-1	Preservatives
Fragrance / Parfum	<1	-	Fragrance
Geraniol	<1	106-24-1	Fragrance
Hexyl Cinnamal	<1	101-86-0	Fragrance
Alpha Isomethyl Ionone	<1	127-51-5	Fragrance
Amyl Cinnamal	<1	122-40-7	Fragrance
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	<1	31906-04-4	Fragrance
Linalool	<1	78-70-6	Fragrance
Butylphenyl Methylpropional	<1	80-54-6	Fragrance
Citronellol	<1	106-22-9	Fragrance
Limonene	<1	138-86-3	Fragrance

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These are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environmental, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Section 4: First-Aid Measures

4.1 Description of first-aid measures

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use and extinguishing agent suitable for the surrounding fire

Unsuitable extinguishing media

None know

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst

Hazardous thermal decomposition products:

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

nitrogen oxides

sulfur oxides

metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident of these is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”.

6.2 Environmental precautions

Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the split product.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

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Section 7: Handling and Storage

7.1 Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Store away from light and heat (0-30°C)

7.3 Specific and use(s)

Recommendations

Not available

Industrial sector specific solutions

Not available

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known

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Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs

No DNELs/DMELs available

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products,. Before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.3 Individual protection measures

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

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Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: Physical and Chemical Properties

9.1 Information on basic and chemical properties

Physical state: Gel

Colour: Transparent

pH: 4.0 to 5.0

Flash point: None available

Flammability of the product: None available

Solubility: Miscible in water

Vapor density: 1.000 to 1.050 kg/m³

Viscosity: 10,000 to 20,000 mPa*s

Temperature of viscosity measurement: 20°C

9.2 Other information

The information presented in this section does not serve as specifications.

Section 10: Stability and Reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product and its ingredients.

10.2 Chemical stability

The product is stable.

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10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

No specific data.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Not classified as dangerous

Irritation/Corrosion

Skin: Irritating to mucous membranes

Eyes: May cause eye irritation

Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

Teratogenicity

Not available

Specific target organ toxicity (single exposure)

Not available

Specific target organ toxicity (repeated exposure)

Not available

Aspiration hazard

Not available

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Delayed and immediate effects and also chronic effects from short and long term exposure

No known significant effects or critical hazards

Section 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Soil/water partition coefficient (Koc): No data available

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

No known significant effects or critical hazards

Section 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Packaging

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

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Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	-	-	-	-
14.6 Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Additional information	-	-	-	-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

Section 15: regulatory information

OSHA

No applicable requirements or listings

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EPA

No applicable requirements or listings

Section 16: Other information

Alchimie Forever LLC has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable, and it is based on the current state of our knowledge. No warranty, guarantee or representation is made as to the completeness or correctness of the information. The user of this product must decide what safety measures are necessary to safely use the product, either alone or in combination with other products, and must determine the appropriate method of disposal under all applicable laws and regulations.