



Material Safety Data Sheet

ADIPOFILL'IN™

REVISION :	V6	DATE :	03/03/2016	SKIN PERFECTION LLC
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : ADIPOFILL'IN™ labeled as Derafil
Recommended uses : Raw material which could be used in cosmetic formulations
Supplier : Skin Perfection LLC
2208 E Summersweet Dr #170811
Boise, Idaho 83717 USA
Phone number: 1-208-995-4130
Fax number : n/a
EMERGENCY PHONE NUMBER : 1-855-537-3639 (Mon-Fri: 9:00AM – 5:00PM MST)
Department to contact : e-mail : help@naturalorganicskincare.com

2. HAZARD IDENTIFICATION

Most important hazards:

Adverse human health effects: According to our knowledge, no specific risks when handled in accordance with good occupational hygiene and safety practices.

Environmental effects: Presents no particular risks to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

Physical and chemical hazards:

-Fire or explosion: According to our knowledge, no specific hazard under normal conditions of use.

Classification of the product: This product is not classified as a hazardous mixture according to CLP regulation (EC) n°1272/2008.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature: mixture mainly composed of:

Water (CAS: 7732-18-5; EINECS: 231-791-2); Propanediol (CAS: 504-63-2; EINECS: 207-997-3); Ornithine (CAS: 70-26-8; EINECS: 200-731-7); Phospholipids (CAS: 8002-43-5; EINECS: 232-307-2); Glycolipids (CAS: -; EINECS: -)

Hazardous constituent: None

REACH registration numbers:

REACH registration of Propane-1,3-diol made in 2010 by our supplier

REACH registration number: 01-2119489383-28-0000

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4. FIRST AID MEASURES

Skin contact: Wash with soap and plenty of water. Consult a doctor if necessary.

Eye contact: Rinse with plenty of water immediately and extended in keeping the eyes disregarded.
Consult an ophthalmologist.

Ingestion: If the conscience is complete, let him/her drink water. Never give anything to drink to an unconscious person. Consult a doctor.

Inhalation: Move the affected person away from the contaminated area and into the fresh air.
Consult a doctor if necessary.

5. FIRE- FIGHTING MEASURES

Flammability: The product is not flammable.

Suitable extinguishing media: Carbon dioxide (CO₂), powders, foam.

Not suitable extinguishing media: None to our knowledge. In case of fire nearby, use suitable extinguishing agents.

Specific hazards:

- Under the action of heat or during combustion: May form toxic and irritating vapours (carbon oxides CO and CO₂).

Specific fire fighting methods: Avoid the dumping of extinguishing water in the environment. Do not attempt to fight the fire without suitable protective equipment.

Protection of fire-fighters: Complete protective clothing. Self-contained and insulating breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use individual protective equipments.

Environmental precautions: Contain the spilled material by bunding. Do not allow product to spread into the soil and to enter sewers/ surface or ground water.

Methods for cleaning up: Absorb spillage with inert absorbent material (earth or sand). Wash non-recoverable remainder with large amounts of water. Dispose of at a licensed waste collection point.

Further information: Warning: this product can cause the floor to be slippery.

7. HANDLING AND STORAGE

Handling:

- Technical measures: Stir well before use and reclose packaging after use.
- Precautions: Avoid contact with skin and eyes. Keep away from food and drinks. Wash hands and any other zone exposed with soap and water before eating, drinking, smoking and before leaving work.

Storage: Store the container tightly closed in a dry area, protected from air and direct light, and at temperatures lower than 25°C.

Recommended packaging materials: Original packaging

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

Exposure limit values: no data available

Personal protective equipment:

- Respiratory protection: Not necessary

- Hand protection: Protective rubber gloves.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374.

Breakthrough time: refer to the recommendations of the supplier.

- Eye protection: Safety glasses.

- Body and skin protection: Wear a protective chemicalproof clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect :	Liquid
Colour :	Off-white to pale yellow
Odour :	Characteristic
pH (pur) :	[4.0 ; 6.0]
Water solubility :	Dispersible
Oil solubility :	Insoluble
Ethanol solubility :	Insoluble
Boiling point (°C):	Not determined

Melting point (°C): Not applicable

Flash point (°F): > 250

Self-inflammation temperature (°C): Not determined

Viscosity: Not determined

Partition coefficient (n-octanol/water): Not determined

10. STABILITY AND REACTIVITY

Stability: Stable at temperatures lower than 25°C and under normal conditions of use.

Hazardous reactions:

- Conditions to avoid: light exposure and heat

- Materials to avoid: Strong oxidizing agents, strong acids, strong bases

Hazardous decomposition products: During combustion or thermal decomposition (pyrolysis), it may release: toxic and irritating vapours (CO, CO₂).

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11. TOXICOLOGICAL INFORMATION

Acute toxicity: No specific data available. According to our knowledge, no specific risk when handled in accordance with good occupational hygiene and safety practices.

- Propane-1,3-diol:

LD50 (oral, rat): 15000 mg/kg: not toxic (source: supplier's data)

-Ornithine:

Data available on a similar product, L-Ornithine HCl:

LD50 (oral, rat) of L-Ornithine HCl : 10000 mg/Kg: not toxic

Source: TOXNET basis (Journal of Pharmaceutical Sciences. Vol. 62, Pg. 49, 1973)

- Phospholipids:

LD50 (oral, rat): > 16000 mg/kg: not toxic (source: CIR report (IJT 20(S1):21-45,2001)

Primary irritation: Tests made on ADIPOFILL'IN™ :

Data	Method	Concentration	Result	Source
Skin irritation:	Patch-Test /48h	product diluted at 4%	Non irritant	Study Evic France-I11-1099/11.3265
Eye irritation:	HET-CAM	product diluted at 4%	Weakly irritant	Study n°B11 2065 / 11-3265

Chronic effects: Tests made on ADIPOFILL'IN™ :

Data	Method	Concentration	Result	Source
Sensitization	HRIPT (101 volunteers)	product diluted at 4%	No evidence of sensitization	Study n°PII30175
Mutagenicity	AMES test (OECD 471)	pure product	Non-mutagenic	Study n°B-01446

Data available on ingredients:

-Propane-1,3-diol:

Sensitization: no sensitizing effects on laboratory animals.

Mutagenicity: tests made on bacteria cultures or mammalian cells does not point out mutagenic effects.

Chronic toxicity: NOAEL (oral, rat): 1000 mg/kg Source: supplier's data

- Phospholipids:

Sensitization: Clinical studies (Patch tests) made on cosmetic formulations containing lecithin (between 0.5-5%) show that this raw material is not sensitizing and generally non-irritating.

Mutagenicity (AMES test): Not mutagenic

Chronic toxicity, cancerogenicity, reproduction toxicity: data available in the CIR report

Reference: CIR report (IJT 20(S1):21-45,2001)

Other data:

- Phototoxicity test (3T3 NRU - OECD 432) - ADIPOFILL'IN™ tested at 4%: Non-phototoxic

Source: Study n°B12 0577 / 12-0592

- Phospholipids contained in ADIPOFILL'IN™ were CIR reviewed.

Conclusions of this report mention that lecithin is safe as used in rinse-off products but recommend a concentration lower than 15% in leave-on products. Furthermore, lecithin should not be used in cosmetic products in which N-nitroso compounds may be formed (source: IJT 20(S1):21-45, 2001).

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12. ECOLOGICAL INFORMATION

Biodegradability:

ADIPOFILL'IN™ : Easily biodegradable (method: OECD 301 D)

Source: Study made in December 2014

Bioaccumulation:

Partition coefficient n-octanol/water: Not determined for ADIPOFILL'IN™

Ecotoxicity:

Effects on the aquatic environment :

Aquatic toxicity on ADIPOFILL'IN™ :

EC50 (Daphnia: *Daphnia magna*)/ 48 h = 3.09 g/L

Method: OECD 202

Source: Study made in December 2014

13. DISPOSAL CONSIDERATIONS

Appropriate disposal / Product:

Recommandation: Do not empty into drains or the aquatic environment. This material and its packaging must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Contaminated packaging:

Recommendation: empty and non-polluted packaging may be recycled. Jerricans not properly emptied are special wastes.

Note: The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

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14. TRANSPORT INFORMATION

Note: The above regulatory prescriptions are those valid on the date of publication of this document. Taking into account the possible evolution of transport regulations about hazardous materials and in case of the MSDS is dated from more than 1 year, it would be recommended to check these data with your commercial agency.

LAND TRANSPORT ADR/RID :

UN Number : Not regulated

Class :

Packaging group :

Underground code :

MARITIME TRANSPORT IMDG :

UN Number : Not regulated

Class :

Packaging group :

Marine pollutant :

AIR TRANSPORT IATA :

UN Number : Not regulated

Class :

Packaging group :

15. REGULATORY INFORMATION

EU regulation:

Chemical Safety Assessment: chemical safety assessments of substances contained in this mixture have not been carried out yet, except for Propanediol.

Propane-1,3-diol was registered in 2010 by our supplier according to REACH regulation (EC) n°1907/2006. However, detailed exposure scenarii haven't been received yet.

Label elements according to CLP regulation n°1272/2008:

- Hazard pictograms: None
- Signal words: None
- Hazard statements: None- Precautionary statements: None

International regulations:

CTFA: all the ingredients of this mixture are listed

European inventory CosIng: all the ingredients of this mixture are listed

Regulation in USA: based on the conclusions of the CIR report on lecithins and hydrogenated lecithins.

Note: the regulatory information given above only mention the main regulations specifically applicable to the product described in this MSDS. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. We recommend you to refer to all international, national or local regulations or provisions.

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16. OTHER INFORMATION

Restrictions on use: This product must not be used for other applications than those listed in §1.

These information are based on our current knowledge (at the updating date) and are supplied for proper and safe handling of the product. This document complete product's technical data sheet but does not replace it.

Data source used to prepare this document : bibliographical data, suppliers' data, toxicological and ecotoxicological reports.

Modifications compared with the previous version : section 9