

**SAFETY DATA SHEET**

Revision Date: 07.11.2016

Print Date: 13.12.2018

SDS Number: R0717872

Version: 1.2

Prolipid™ 161 lamellar gel  
 ™ Trademark, Ashland or its subsidiaries, registered  
 in various countries  
 831030

Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS\_GB

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : Prolipid™ 161  
 lamellar gel  
 ™ Trademark, Ashland or its subsidiaries, registered in  
 various countries

Registration number : 01-0000018731-71-xxxx

**1.2 Recommended use of the chemical and restrictions on use**

Use of the Substance/Mixture : Personal care

**1.3 Details of the supplier of the safety data sheet**

Ashland  
 P.O. Box 8619  
 NL3009 AP, Rotterdam  
 Netherlands  
 +31 10 497 5000 (in the Netherlands), or  
 contact your local CSR contact person

EUSMT@ashland.com

**1.4 Emergency telephone number**

00-800-274-5263-3/001-859-357-3564, or contact  
 your local emergency telephone number at 111 -  
 ENG, SCO, CYM and 0808 808 8000 - NIE (Mo -  
 Fr, 08.00 - 18.00)

**Product Information**

+31 10 497 5000 (in the Netherlands), or contact  
 your local CSR contact person

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Serious eye damage, Category 1 H318: Causes serious eye damage.

Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 4 H413: May cause long lasting harmful effects to

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aquatic life.

**2.2 Label elements****Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.  
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
 P273 Avoid release to the environment.  
 P280 Wear eye protection/ face protection.  
**Response:**  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
 P391 Collect spillage.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:  
 Ceraphyl SAQ

**2.3 Other hazards****Additional advice**

No information available.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Chemical nature : organic

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**Hazardous components**

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Alcohols, C16-18	67762-27-0 267-008-6	Aquatic Chronic4; H413	>= 25 - < 40
Ceraphyl SAQ	243982-96-9 01-0000018731-71-xxxx	Acute Tox.4; H302 Eye Dam.1; H318 Aquatic Acute1; H400	>= 25 - < 40

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.  
 If unconscious place in recovery position and seek medical advice.  
 If symptoms persist, call a physician.
- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Continue rinsing eyes during transport to hospital.  
 Remove contact lenses.  
 Protect unharmed eye.
- If swallowed : Obtain medical attention.  
 Do NOT induce vomiting.  
 Do not give milk or alcoholic beverages.  
 Never give anything by mouth to an unconscious person.

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If symptoms persist, call a physician.

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

Symptoms : No symptoms known or expected.

Risks : Causes serious eye damage.

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

Treatment : No hazards which require special first aid measures.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
 Water spray  
 Foam

Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.  
 Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : carbon dioxide and carbon monoxide

**5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

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**SECTION 6: Accidental release measures**
**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.  
 Avoid dust formation.  
 Avoid breathing dust.  
 Material can create slippery conditions.  
 Persons not wearing protective equipment should be excluded  
 from area of spill until clean-up has been completed.  
 Comply with all applicable federal, state, and local regulations.

**6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
 Prevent further leakage or spillage if safe to do so.  
 If the product contaminates rivers and lakes or drains inform  
 respective authorities.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For further information see Section 8 and Section 13 of the safety data sheet.

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**SECTION 7: Handling and storage**
**7.1 Precautions for safe handling**

Advice on safe handling : Avoid dust formation.  
 Do not breathe vapours/dust.  
 Ensure all equipment is electrically grounded and bonded  
 before beginning transfer operations.  
 The material can accumulate static charge and can therefore  
 cause electrical ignition of flammable atmospheres.  
 Container hazardous when empty.  
 Avoid contact with skin and eyes.  
 Smoking, eating and drinking should be prohibited in the

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application area.

For personal protection see section 8.

Dispose of rinse water in accordance with local and national regulations.

Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.

Advice on protection against fire and explosion

: Avoid dust formation. Take measures to prevent the build up of electrostatic charge. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures

: Avoid breathing dust. Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. No smoking. Electrical installations / working materials must comply with the technological safety standards.

Other data

: No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s)

: No data available

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls****Engineering measures**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Provide appropriate exhaust ventilation at places where dust is formed.

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**Personal protective equipment**

Eye protection : Wear chemical splash goggles and face shield to protect eyes and skin from airborne dust.  
 Maintain eye wash station in immediate work area.

Hand protection

Remarks : Neoprene gloves

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:  
 Safety shoes  
 Dust impervious protective suit  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Discard gloves that show tears, pinholes, or signs of wear.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance : flakes

Colour : white, Cream

Odour : characteristic

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : 72,8 °C

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

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Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**



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Hazardous reactions : Dust may form explosive mixture in air.

**10.4 Conditions to avoid**

Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.

heat

**10.5 Incompatible materials**

Materials to avoid : Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products : No hazardous decomposition products are known.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Information on likely routes of exposure : Inhalation  
 Skin contact  
 Eye Contact  
 Ingestion

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : LD 50 (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD 50 (Rabbit): > 2.000 mg/kg

**Components:****CETYL-STEARYL ALCOHOL:**

Acute oral toxicity : LD 50 (Rat): > 2.000 mg/kg

**Components:**

**1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:**

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Acute oral toxicity : LD 50 (Rat): 1.000 - 2.000 mg/kg

Acute dermal toxicity : LD 50 (Rat): > 2.000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Species: Rabbit

Result: Not irritating to skin

**Components:****CETYL-STEARYL ALCOHOL:**

Result: Mildly irritating to skin

**1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:**

Species: Rabbit

Result: Not irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Species: Rabbit

Result: Corrosive to eyes

Remarks: May cause irreversible eye damage.

**Components:****CETYL-STEARYL ALCOHOL:**

Result: Not irritating to eyes

**1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:**

Species: Rabbit

Result: Corrosive to eyes

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

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**Product:**

Assessment: Did not cause sensitisation on laboratory animals.

**Components:**

**1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:**

Assessment: Did not cause sensitisation on laboratory animals.

**Germ cell mutagenicity**

Not classified based on available information.

**Product:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

**Components:**

**1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:**

Genotoxicity in vitro : Test Type: Ames test

Result: negative

: Test Type: Chromosome aberration test in vitro

Result: negative

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Product:**

No aspiration toxicity classification

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**Further information****Product:**

Remarks: No data available

**SECTION 12: Ecological information****12.1 Toxicity****Components:**

Ceraphyl SAQ

Toxicity to fish : LC 50 (Oncorhynchus mykiss (rainbow trout)): 0,12 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC 50 (Water flea (Daphnia magna)): 0,14 mg/l  
 Exposure time: 48 h

Toxicity to algae : EC 50 (Green algae): 0,011 mg/l  
 Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 10

**12.2 Persistence and degradability****Components:**

Alcohols, C16-18

Biodegradability : Test Type: aerobic  
 Inoculum: activated sludge  
 Biodegradation: 81 - 100 %  
 Exposure time: 28 d

Ceraphyl SAQ  
 Biodegradability

: Result: rapidly biodegradable  
 Biodegradation: 86 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B  
 Remarks: The 10 day time window criterion is not fulfilled.

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**12.3 Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

**Components:**

Alcohols, C16-18  
 Partition coefficient: n-octanol/water : log Pow: >= 6,03 (20 °C)

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

Not relevant

**12.6 Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
 Do not contaminate ponds, waterways or ditches with chemical or used container.  
 Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
 Dispose of as unused product.  
 Empty containers should be taken to an approved waste handling site for recycling or disposal.  
 Do not re-use empty containers.

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**SECTION 14: Transport information****SECTION 14: Transport information****14.1 UN number****ADN:** UN3077**ADR:** UN3077**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** UN3077**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** UN3077**INTERNATIONAL MARITIME DANGEROUS GOODS:** UN3077**RID:** UN3077**14.2 UN proper shipping name****ADN:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)**ADR:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Environmentally hazardous substance, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Environmentally hazardous substance, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)**INTERNATIONAL MARITIME DANGEROUS GOODS:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)**RID:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)**14.3 Transport hazard class(es)****ADN:** 9**ADR:** 9**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** 9**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** 9**INTERNATIONAL MARITIME DANGEROUS GOODS:** 9**RID:** 9**14.4 Packing group****ADN:** III**ADR:** III**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** III**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** III

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**INTERNATIONAL MARITIME DANGEROUS GOODS: III****RID:** III**14.5 Environmental hazards****ADN:** Not applicable**ADR:** Not applicable**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not applicable**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not applicable**RID:** Not applicable**14.6 Special precautions for user**

Not applicable

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

Ship Type: Not applicable

Hazard code(s): Not applicable

Pollutant Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 57). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
E1	ENVIRONMENTAL HAZARDS	100 t	200 t

**The components of this product are reported in the following inventories:**

TSCA : Personal care

DSL This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.

AICS Not in compliance with the inventory

ENCS Not in compliance with the inventory

KECI Not in compliance with the inventory

PICCS Not in compliance with the inventory

IECSC Not in compliance with the inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**15.2 Chemical Safety Assessment**

No data available

**SECTION 16: Other information****Further information**

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Full text of H-Statements referred to under sections 2 and 3.

Further information



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Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (+31 10 497 5000).

## Sources of key data used to compile the Safety Data Sheet

Ashland internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value



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TWA : Time-weighted average  
 vPvB : Very Persistent and Very Bioaccumulative  
 WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands  
 ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine  
 CLP : Classification, Labelling and Packaging  
 CSA : Chemical Safety Assessment  
 CSR : Chemical Safety Report  
 DNEL : Derived No Effect Level.  
 EINECS : European Inventory of Existing Commercial Chemical Substances.  
 ELINCS : European List of Notified Chemical Substances  
 GV: Exposure limits (DK)  
 PEC : Predicted Effect Concentration  
 PEL : Permissible Exposure Limits  
 PNEC : Predicted No Effect Concentration  
 R-phrase : Risk phrase  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 RID : Regulation Concerning the International Transport of Dangerous Goods by Rail  
 S-phrase: Safety phrase  
 WGK : German Water Hazard Class