



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

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

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : Gafquat™ 755N-O  
polymer  
™ Trademark, Ashland or its subsidiaries, registered in  
various countries

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

Recommended use : Pharmaceutical  
Agrochemicals  
hair styling polymer  
Industrial chemical

### 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

+1-800-274-5263/001-859-357-3564, or contact  
your local emergency telephone number at  
070/245.245

### 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)

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting

**SAFETY DATA SHEET**

Revision Date: 12.03.2018

Print Date: 10.12.2018

SDS Number: R0718472

Version: 1.2

 Gafquat™ 755N-O polymer  
 ™ Trademark, Ashland or its subsidiaries, registered  
 in various countries  
 828277

effects.

 Precautionary statements : **Prevention:**  
 P273  
**Disposal:**  
 P501

Avoid release to the environment.

 Dispose of contents/ container to an  
 approved waste disposal plant.

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

No information available.

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

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
2-PROPENOIC ACID, 2-METHYL-, 2- (DIMETHYLAMINO)ET HYL ESTER, POLYMER WITH 1- ETHENYL-2- PYRROLIDINONE	53633-54-8 611-022-0	Aquatic Chronic2; H411	>= 15,00 - < 25,00

For explanation of abbreviations see section 16.

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

General advice : No hazards which require special first aid measures.

 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.



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

- 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 : Remove contact lenses.  
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Symptoms : No symptoms known or expected.

#### 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  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

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

- Specific hazards during firefighting : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

## SAFETY DATA SHEET

Revision Date: 12.03.2018

Print Date: 10.12.2018

SDS Number: R0718472

Version: 1.2

Gafquat™ 755N-O polymer  
™ Trademark, Ashland or its subsidiaries, registered  
in various countries  
828277

### 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 be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : 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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
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.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area.



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

For personal protection see section 8.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage : No materials to be especially mentioned.

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

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, 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.

### Personal protective equipment

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Hand protection

Remarks : butyl-rubber

Skin and body protection : Wear as appropriate:



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

Safety shoes

Respiratory protection : No personal respiratory protective equipment normally required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: viscous
Odour	: No data available
Odour Threshold	: No data available
pH	: 5,0 - 6,5
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: 104,4 °C (Estimated)
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
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	: 1 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

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

Decomposition temperature : 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

Hazardous reactions : Product will not undergo hazardous polymerization.

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

### 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



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

## Ingestion

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : LD50 (Rat): &gt; 5.000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Species: Rabbit

Result: No skin irritation

**Components:**

2-PROPENOIC ACID, 2-METHYL-, 2-(DIMETHYLAMINO)ETHYL ESTER, POLYMER WITH 1-ETHENYL-2-PYRROLIDINONE

Result: Slight, transient irritation

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks: Unlikely to cause eye irritation or injury.

Species: Rabbit

Result: No eye irritation

GLP: yes

**Components:**

2-PROPENOIC ACID, 2-METHYL-, 2-(DIMETHYLAMINO)ETHYL ESTER, POLYMER WITH 1-ETHENYL-2-PYRROLIDINONE

Result: Slight, transient irritation

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Product:**

Test Type: Human Repeat Insult Patch Testing (HRIPT)

Exposure routes: Dermal

Assessment: Does not cause skin sensitisation.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.



**SAFETY DATA SHEET**

Revision Date: 12.03.2018

Print Date: 10.12.2018

SDS Number: R0718472

Version: 1.2

Gafquat™ 755N-O polymer  
 ™ Trademark, Ashland or its subsidiaries, registered  
 in various countries  
 828277

**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.

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

Remarks: No data available

---

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

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4,47 mg/l  
 Exposure time: 96 h  
 Method: OECD Test Guideline 203  
 GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 177,1 mg/l  
 aquatic invertebrates Exposure time: 48 h  
 Method: OECD Test Guideline 202  
 GLP: yes

EC50 (Daphnia magna (Water flea)): 1.922,1 mg/l  
 Exposure time: 24 h  
 Method: OECD Test Guideline 202  
 GLP: yes

**Components:**

2-PROPENOIC ACID, 2-METHYL-, 2-(DIMETHYLAMINO)ETHYL ESTER, POLYMER WITH 1-ETHENYL-2-PYRROLIDINONE

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5,66 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 212,95 mg/l  
 aquatic invertebrates Exposure time: 48 h



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

## 12.2 Persistence and degradability

### Product:

Biodegradability : Concentration: 100 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 1,4 - 2,7 %  
Exposure time: 28 d

### Components:

2-PROPENOIC ACID, 2-METHYL-, 2-(DIMETHYLAMINO)ETHYL ESTER, POLYMER WITH 1-ETHENYL-2-PYRROLIDINONE  
Biodegradability : Remarks: Not readily biodegradable.

## 12.3 Bioaccumulative potential

No data available

## 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., Toxic to aquatic life., Harmful to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.

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.

**SAFETY DATA SHEET**

Revision Date: 12.03.2018

Print Date: 10.12.2018

SDS Number: R0718472

Version: 1.2

 Gafquat™ 755N-O polymer  
 ™ Trademark, Ashland or its subsidiaries, registered  
 in various countries  
 828277

**SECTION 14: Transport information**
**SECTION 14: Transport information**
**14.1 UN number**
**ADN:** Not dangerous goods

**ADR:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**RID:** Not dangerous goods

**14.2 UN proper shipping name**
**ADN:** Not dangerous goods

**ADR:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**RID:** Not dangerous goods

**14.3 Transport hazard class(es)**
**ADN:** Not dangerous goods

**ADR:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**RID:** Not dangerous goods

**14.4 Packing group**
**ADN:** Not dangerous goods

**ADR:** Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods


**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods

**RID:** Not dangerous goods

**14.5 Environmental hazards**
**ADN:** Not applicable

**ADR:** Not applicable

	Page: 12
<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not applicable  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** 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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : 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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable



<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

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

TSCA	: This product is regulated under the United States Food and Drug Act (FDA).
DSL	All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
ENCS	Personal care
KECI	On the inventory, or in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	On the inventory, or 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), TCSI (Taiwan), TSCA (USA)

Belgium Registration number MA-56498

**15.2 Chemical safety assessment**

No data available

---

**SECTION 16: Other information**

**Further information**

Revision Date: 12.03.2018

**Classification procedure:**

H412	Harmful to aquatic life with long lasting effects.	Calculation method
------	--	--------------------

**Full text of H-Statements**

H411	Toxic to aquatic life with long lasting effects.
------	--




<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

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

	Page: 15
<b>SAFETY DATA SHEET</b>	Revision Date: 12.03.2018
	Print Date: 10.12.2018
	SDS Number: R0718472
Gafquat™ 755N-O polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 828277	Version: 1.2

PPE : Personal Protective Equipment  
 STEL : Short-term exposure limit  
 STOT : Specific Target Organ Toxicity  
 TLV : Threshold Limit Value  
 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.  
 ADN: 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