



<b>SAFETY DATA SHEET</b>	Revision Date: 14.10.2020
	Print Date: 07.04.2022
	SDS Number: R0718362
Antaron™ V-220F polymer ™ Trademark, Ashland or its subsidiaries, registered in various countries 826218	Version: 1.5

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

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

### 1.1 Product identifier

Trade name : Antaron™ V-220F  
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 : Personal care

<b>1.3 Details of the supplier of the safety data sheet</b> Ashland P.O. Box 8619 NL3009 AP, Rotterdam Netherlands +31 10 497 5000 (in the Netherlands), or contact your local CSR contact person  EHSPProductSafety@ashland.com	<b>1.4 Emergency telephone number</b> 00-800-274-5263-3/001-859-357-3564, or contact your local emergency telephone number at 112  <b>Product Information</b> +31 10 497 5000 (in the Netherlands), or contact your local CSR contact person
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Eye irritation, Category 2

H319: Causes serious eye irritation.

### 2.2 Label elements

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

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H319 Causes serious eye irritation.

Precautionary statements

: **Prevention:**

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with  
 water for several minutes. Remove contact lenses, if present  
 and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/  
 attention.

**Hazardous components which must be listed on the label:**

1-Eicosene, polymer with 1-ethenyl-2-pyrrolidione

Precautionary statements

: **Keep dust/air mixtures away from ignition sources.****2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative  
 and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

Chemical nature

: organic

**Hazardous components**

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
2-Pyrrolidinone, 1-	28211-18-9	Eye Irrit.2; H319	>= 90,00 - <=

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ethenyl, polymer with 1- eicosene	920-086-1	100,00
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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.  
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 : Immediately flush eye(s) with plenty of water.  
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 : The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or Section 11.
- Risks : Causes serious eye irritation.

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

- Treatment : No hazards which require special first aid measures.

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### 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 : Do not allow run-off from fire fighting to enter drains or water courses.  
Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
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 : Standard procedure for chemical fires.

### SECTION 6: Accidental release measures

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

Personal precautions : 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.



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## 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

## 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.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Advice on safe handling : Avoid dust formation.  
Do not breathe vapours/dust.  
Do not smoke.  
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 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.



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Storage class (TRGS 510) : 13, Non Combustible Solids

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.

#### Personal protective equipment

Eye protection : Safety glasses

Use eye protection according to EN 166.

#### Hand protection

Material : butyl-rubber

Break through time : 480 min

Glove thickness : > 0,5 mm

Remarks : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

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



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Skin and body protection	: Protective clothing complying with EN 13688. Safety shoes complying with EN ISO 20345.  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.
Respiratory protection	: In the case of dust or aerosol formation use respirator with an approved filter within the capabilities of the respirator/filter combination. Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.  Respiratory protection complying with EN 136. Respiratory protection complying with EN 140. Respiratory protection complying with EN 14387.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: flakes  solid
Colour	: off-white, yellow
Odour	: characteristic
Odour Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: 36 - 44 °C
Boiling point/boiling range	: not determined
Flash point	: Not applicable
Evaporation rate	: Not applicable

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Flammability (solid, gas) : Combustible Dust

Upper explosion limit / Upper flammability limit : Upper explosion limit not determined

Lower explosion limit / Lower flammability limit : Lower explosion limit not determined

Vapour pressure : not volatile

Relative vapour density : Not applicable

Relative density : No data available

Density : 0,95 g/cm<sup>3</sup> (20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not determined

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Oxidizing properties : Not applicable

**9.2 Other information**

Self-ignition : not determined

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

No decomposition if stored and applied as directed.





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## 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

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

Keep away from heat, flame, sparks and other ignition sources.

## 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

# 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<sub>50</sub> (Rat): > 5.000 mg/kg

#### Components:

2-Pyrrolidinone, 1-ethenyl, polymer with 1-eicosene

Acute oral toxicity : LD<sub>50</sub> (Rat): > 5.000 mg/kg

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Species: Rabbit

Exposure time: 72 h



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Method: Draize Test  
Result: No skin irritation

Species: Human  
Method: Patch Test 24 Hrs.  
Result: No skin irritation

Remarks: May cause skin irritation in susceptible persons.

**Components:**

2-Pyrrolidinone, 1-ethenyl, polymer with 1-eicosene  
Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Species: Rabbit  
Result: Slight, transient irritation

Remarks: Product dust may be irritating to eyes, skin and respiratory system., Causes serious eye irritation.

**Components:**

2-Pyrrolidinone, 1-ethenyl, polymer with 1-eicosene  
Result: Eye 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.

**Components:**

2-Pyrrolidinone, 1-ethenyl, polymer with 1-eicosene  
Assessment: Did not cause sensitisation on laboratory animals.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

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### 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

No data available

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Inoculum: activated sludge  
Concentration: 100 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 25 %  
Exposure time: 28 d

#### Components:

2-Pyrrolidinone, 1-ethenyl, polymer with 1-eicosene  
Biodegradability : Inoculum: activated sludge  
Concentration: 100 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 25 %  
Exposure time: 28 d

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

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Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
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.

## 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

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**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

**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

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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 59) : Not applicable

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

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : 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

Water contaminating class (Germany) : WGK 1 slightly hazardous to water


TA Luft List (Germany) : Total dust, Not applicable

: Inorganic substances in powdered form, Not applicable

: Inorganic substances in vapour or gaseous form, Not applicable

: Organic Substances, Not applicable

: Carcinogenic substances, Not applicable

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: Mutagenic, Not applicable

: Toxic to reproduction, Not applicable

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

TSCA	: On TSCA Inventory
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	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory
TCSI	On the inventory, or in compliance with the inventory

**Inventories**

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

**15.2 Chemical safety assessment**

No data available

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**SECTION 16: Other information**

**Full text of H-Statements**

H319 : Causes serious eye irritation.

**Full text of other abbreviations**



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Eye Irrit. : Eye irritation


ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

Other information : This sds has been prepared by Ashland.  
(<http://www.ashland.com>)

Sources of key data used to compile the Safety Data Sheet : Ashland internal data including own and sponsored test reports  
European Union Law with content from the Official Journal of the European Union.  
European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.  
The German Water Hazard Classes.



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ReachCentrum; a series of support services to help comply with REACH regulations.

The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.

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

Cefic, the European Chemical Industry Council.

ESIS European Chemical Substances Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN