A-C® 3A,6,6A,7,7A,8,8A,8AG,9,9A,9CF,9F,16,16A,617,617A,617FGA,820A,1810A

000000011455

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

1.1. Product identifier

Product name : A-C® 3A,6,6A,7,7A,8,8A,8AG,9,9A,9CF,9F,16,16A,617,617A,617FGA,820A,1810A

SDS-number : 000000011455

Type of product : Substance

Remarks : Document according to Art. 32 of Regulation (EC) 1907/2006.

Chemical name : Ethene, homopolymer

CAS-No. : 9002-88-4

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

Use of the Substance/Mixture : Polymer additive
Processing aid
Lubricant

Uses advised against : none

1.3. Details of the supplier of the safety data sheet

Company : SOLSTICE ADVANCED MATERIALS IRELAND LIMITED
1st Floor, Liffey Trust Centre,
117-126 Sheriff Street Upper
D01 YC43 Dublin
Ireland

Solstice Advanced Materials US, Inc.
115 Tabor Road
Morris Plains, NJ 07950-2546
USA

Telephone : +353 1 536 5150

For further information, please contact : SafetyDataSheet@solstice.com

1.4. Emergency telephone number

Emergency telephone number	:	+1-703-527-3887 (ChemTrec-Transport) +1 303-739-1378 (Medical)
	:	Poison Control Center: United Kingdom: (+44) 844 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2. Label elements

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3. Other hazards

The molten product can cause serious burns. Risk of dust explosion. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. 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

3.1. Substances

Chemical name	CAS-No. Index-No. EC-No.	Classification 1272/2008	Concentration	Remarks
Ethene, homopolymer	9002-88-4		100 %	N.C.*

N.C.* - Non-hazardous substance - for information only

3.2. Mixtures
Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:
First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

Inhalation:
Remove to fresh air. Call a physician if irritation develops or persists.

Skin contact:
Wash off with soap and water. Call a physician if irritation develops or persists. Cool skin rapidly with cold water after contact with molten material. Do not peel solidified product off the skin. Call a physician immediately.

Eye contact:
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Remove contact lenses. Call a physician if irritation develops or persists.

Ingestion:
Unlikely route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician if necessary.

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

No data available

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

Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms. :

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water mist
Dry chemical
Carbon dioxide (CO2)
Foam

Extinguishing media which shall not be used for safety reasons:
High volume water jet

5.2. Special hazards arising from the substance or mixture

Material can create slippery conditions.
Dust can form an explosive mixture in air.
In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO2)

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes.
Wear self-contained breathing apparatus and protective suit.
No unprotected exposed skin areas.
Use water spray to cool unopened containers.Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation. Contact with hot product will cause thermal burns.

6.2. Environmental precautions

Should not be released into the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Avoid dust formation and electrical charging (sparking) because dust explosion might occur.
Do not create a powder cloud by using a brush or compressed air.
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
For molten product:
Spilled material will solidify.
Allow to solidify, use mechanical handling equipment.
Pick for disposal in tightly closed containers

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:
Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust. Floors, walls and other surfaces must be regularly cleaned. Keep away from fire, sparks and heated surfaces. Take precautionary measures against static discharges. Material can create slippery conditions.

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

Hygiene measures:
Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Keep working clothes separately.

Dust explosion class:

St1

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:
Store in original container. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight.

Advice on common storage:
Do not store together with: Strong oxidizing agents

7.3. Specific end use(s)

no additional data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

DNEL/ PNEC-Values

No DNEL-data available.

No PNEC data available.

8.2. Exposure controls

Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.
Ensure that eyewash stations and safety showers are close to the workstation location.
Do not breathe dust.
Avoid contact with skin, eyes and clothing.

Engineering measures
Provide exhaust ventilation if dust is formed.
Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.

Personal protective equipment
Respiratory protection:
In the case of dust or aerosol formation use respirator with an approved filter.
Recommended Filter type:
Half mask with a particle filter P2 (EN 143)

Hand protection:
Glove material: Natural Latex
Break through time: 480 min
Glove thickness: 0,6 mm
Lapren®706
When handling hot material, use heat resistant gloves.
Gloves must be inspected prior to use.
Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.
Due to varying conditions (e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.
Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer reccomends to use the chemical protective glove in practice not longer than 50% of the recomended permeation time.
Manufacturer´s directions for use should be observed because of great diversity of types .
Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

Eye protection:
Wear as appropriate:
Safety glasses with side-shields
For molten product:
Goggles or face shield, giving complete protection to eyes

Skin and body protection:
Protective suit
Wear heat protective clothing for handling hot material.

Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(a) Physical state	:	solid
(b) Colour	:	white
(c) Odour	:	slight, product specific
(d) Melting point/freezing point	:	92 - 126 °C
(e) Boiling point/boiling	:	not determined

range

(f) Flammability	:	May form combustible dust concentrations in air.
(g) Lower and upper explosion limit	:	Lower explosion limit Not applicable
	:	Upper explosion limit Not applicable
(h) Flash point	:	> 230 °C Method: open cup
(i) Auto-ignition temperature	:	410 °C
(j) Decomposition temperature	:	No decomposition if used as directed.
(k) pH	:	Not applicable
(m) Solubility(ies)	:	Water solubility: insoluble
(n) Partition coefficient: n-octanol/water	:	No data available
(o) Vapour pressure	:	Not applicable
(p) Density and / or relative density	:	0,88 - 0,97 g/cm3
(q) Relative vapour density	:	Not applicable
(r) Particle characteristics	:	No data available

9.2 Other Information

Polymer characteristics : Synthetic polymer microparticles (SPM) content : 90 - 100 %

Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Evaporation rate	:	No data available
Viscosity, dynamic	:	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

No decomposition if used as directed.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Heat, flames and sparks.
Avoid dust formation and electrical charging (sparking) because dust explosion might occur.
Avoid exposure to temperatures exceeding recommended processing conditions. Solstice should be contacted if questions arise concerning specific processing conditions.

10.5. Incompatible materials

Strong oxidizing agents
Amines

10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide

Carbon dioxide (CO_2)
No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity

Acute oral toxicity:
LD50
Species: Rat
Value: > 2.000 mg/kg

LDLo
Species: Mouse
Value: 5.000 mg/kg

Acute dermal toxicity:
No data available

Acute inhalation toxicity:
No data available

Acute toxicity (other routes of administration):
No data available

(b) Skin corrosion/irritation:
Species: Rabbit
Result: slight irritation

(c) Serious eye damage/eye irritation:
Species: Rabbit
Result: slight irritation

(d) Respiratory or skin sensitisation:
No data available

(e) Germ cell mutagenicity:
Note: No data available

(f) Carcinogenicity:
Note: No data available

(h) STOT-single exposure:
No data available

(i) STOT - repeated exposure:
No data available

(j) Aspiration hazard:
No data available

11.2. Information on other hazards

Endocrine disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other information:
Product dust may be irritating to eyes, skin and respiratory system.
Thermal decomposition can lead to release of irritating gases and vapours.
The molten product can cause serious burns.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish:
No data available

Toxicity to aquatic plants:
No data available

Toxicity to Microorganisms:
No data available

Toxicity to aquatic invertebrates:
No data available

12.2. Persistence and degradability

Biodegradability:
Result: Not inherently biodegradable.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

Bioaccumulation is unlikely.
Aquatic toxicity is unlikely due to low solubility.
Should not be released into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:
Dispose according to legal requirements.

Packaging:
Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

Further information:
Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC
Regulation No. 1013/2006
For personal protection see section 8.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID:Not dangerous goods IMDG:Not dangerous goods IATA:Not dangerous goods

14.2 UN proper shipping name

ADR/RID:Not dangerous goods
IMDG:Not dangerous goods
IATA:Not dangerous goods

14.3 Transport hazard class(es)

No data available

14.4 Packaging group

No data available

14.5 Environmental hazards

ADR/RID:no Marine pollutant: no

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Basis	Value	Remarks
Directive 2012/18/EC SEVESO III		Not applicable
Substances of very high concern (SVHC)		This product does not contain substances of very high concern

		according to Regulation (EC) No Article 57 above the respective regulatory 1907/2006 (REACH), concentration limit of ≥ 0.1 % (w/w).
Regulation (EC) No. 1907/2006, Annex XVII		The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Other inventory information

USA. List of Active Substances on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory, as amended
All substances listed as active on the TSCA inventory

Australian Inventory of Industrial Chemicals
All components are listed on the inventory, regulatory obligations/restrictions apply

Canada. Domestic Substances List (DSL), as amended
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List
On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)
On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)
On the inventory, or in compliance with the inventory

Thailand. Existing Chemicals Inventory from FDA (TECI List)
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)
On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Further information

All directives and regulations refer to amended versions.
Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

Abbreviations:
EC European Community
CAS Chemical Abstracts Service
DNEL Derived no effect level
PNEC Predicted no effect level
vPvB Very persistent and very biaccumulative substance
PBT Persistent, bioaccmulative und toxic substance

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