

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: Adhesive Alginate Spray (Apple)

Supplier: Henry Schein

SDS Expiry: 14 November 2029

Supplier Details: Henry Schein New Zealand
243-249 Bush Road, Rosedale, Auckland, 0632
PO Box 101 140, North Shore, Auckland 0745
Ph. 0800 808 855
www.henryschein.co.nz

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –
0800POISON/0800764766 (24 Hours)
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 2 / 6

HSNO Group Standard: Aerosols Flammable Group Standard 2020 HSR002515

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared – March 2025

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

Safety Data Sheet

according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Product identifier**Trade name:** *Adhesive Alginate Spray (Apple)***Relevant identified uses of the substance or mixture and uses advised against****Technical function** *Adhesion promotor***Application of the substance / the mixture** *Adhesives***Details of the supplier of the safety data sheet****Manufacturer/Supplier:***HENRY SCHEIN REGIONAL PTY LTD ATF HENRY SCHEIN REGIONAL TRUST**Address Building 3, Level 6, 189 O'Riordan St, Mascot, NSW, 2020, AUSTRALIA**Telephone 1300 658 822***Further information obtainable from:** *customer.care@henryschein.com.au***Emergency number:** *13 11 26 (Poisons Information Centre)***Details of alternative suppliers of the product****Supplier name** *HENRY SCHEIN REGIONAL LTD**243-249 Bush Road, Rosedale, Auckland, 0632, NEW ZEALAND**Phone: 0800 808 855, Emergency: 0800 764 766 (National Poisons Centre)**info@henryschein.co.nz**https://www.henryschein.co.nz*

2 Hazard(s) Identification

· Classification of the substance or mixture*Aerosols – Category 1**H222 Extremely flammable aerosol.**H229 Pressurized container: may burst if heated.**Eye damage/irritation – Category 2A H319 Causes serious eye irritation.***· Label elements****· GHS label elements***The product is classified and labelled according to the Globally Harmonised System (GHS).***· Hazard pictograms**

GHS02 GHS07

· Signal word *Danger***· Hazard statements***Extremely flammable aerosol.**Pressurized container: may burst if heated.**Causes serious eye irritation.***· Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Do not spray on an open flame or other ignition source.**Pressurized container: Do not pierce or burn, even after use.**Avoid breathing spray.**Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.***· Other hazards****· Results of PBT and vPvB assessment****· PBT:** *Not applicable.***· vPvB:** *Not applicable.*

AU

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Trade name: Adhesive Alginate Spray (Apple)

(Contd. of page 1)

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

115-10-6	dimethyl ether	50-100%
	<ul style="list-style-type: none"> ⚠ Flammable gases – Category 1A, H220 ⚠ Gases under pressure – Compressed gas, H280 	
64-17-5	ethanol	10-25%
	<ul style="list-style-type: none"> ⚠ Flammable liquids – Category 2, H225 ⚠ Eye damage/irritation – Category 2A, H319 	
111-41-1	2-(2-aminoethylamino)ethanol	≤1.0%
	<ul style="list-style-type: none"> ⚠ Reproductive toxicity – Category 2, H361 ⚠ Skin corrosion/irritation – Category 1B, H314 ⚠ Skin sensitisation – Category 1, H317 	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Trade name: Adhesive Alginate Spray (Apple)

(Contd. of page 2)

Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class:** 2B

· **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

· **Appropriate engineering controls** No further data; see section 7.

· **Ingredients with limit values that require monitoring at the workplace:**

115-10-6 dimethyl ether

WES Short-term value: 950 mg/m³, 500 ppm

Long-term value: 760 mg/m³, 400 ppm

64-17-5 ethanol

WES Long-term value: 1880 mg/m³, 1000 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Not required.

Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Rubber gloves

· **For the permanent contact gloves made of the following materials are suitable:** Neoprene gloves

· **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Natural rubber, NR

Butyl rubber, BR

· **Eye protection:**



Tightly sealed goggles

AU

(Contd. on page 4)

Safety Data Sheet according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Trade name: Adhesive Alginate Spray (Apple)

(Contd. of page 3)

9 Physical and Chemical Properties

· General Information	
· Appearance:	
· Form:	Aerosol
· Colour:	Red
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	-24 °C
· Flash point:	-42 °C
· Flammability	Not applicable.
· Auto-ignition temperature:	235 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
· Lower:	3 Vol %
· Upper:	18.6 Vol %
· Vapour pressure at 20 °C:	5,200 hPa
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
· water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent content:	
· Organic solvents:	83.0 %
· VOC (EC)	83 %
· Other information	
· Particle characteristics	No further relevant information available. Not applicable.

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Forms explosive gases/fumes.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Trade name: Adhesive Alginate Spray (Apple)

(Contd. of page 4)

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Does not accumulate in organisms
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|---------------------|
| · UN-Number | UN1950 |
| · ADG, IMDG, IATA | |
| · UN proper shipping name | 1950 AEROSOLS |
| · ADG | AEROSOLS |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, flammable |
| · Transport hazard class(es) | |
| · ADG | |
|  | |
| · Class | 2 5F Gases. |

(Contd. on page 6)

Safety Data Sheet according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Trade name: Adhesive Alginate Spray (Apple)

(Contd. of page 5)

· Label	2.1
· IMDG, IATA	
	
· Class	2.1 Gases.
· Label	2.1
· Packing group	
· ADG, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Gases.
· Hazard identification number (Kemler code):	-
· EMS Number:	F-D,S-U
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IMDG	
· Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** GHS label elements

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category P3a** FLAMMABLE AEROSOLS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations** Zolltarifnummer: 3506 10 00

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

AU

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Date of issue: 14.11.2024

Version number 3

Revision: 13.11.2024

Trade name: Adhesive Alginate Spray (Apple)

(Contd. of page 6)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H361 Suspected of damaging fertility or the unborn child.

· **Contact:**

· **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organisation
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flammable gases – Category 1A: Flammable gases – Category 1A
- Aerosols – Category 1: Aerosols – Category 1
- : Aerosols – Category 3
- Gases under pressure – Compressed gas: Gases under pressure – Compressed gas
- Flammable liquids – Category 2: Flammable liquids – Category 2
- Skin corrosion/irritation – Category 1B: Skin corrosion/irritation – Category 1B
- Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
- Skin sensitisation – Category 1: Skin sensitisation – Category 1
- Reproductive toxicity – Category 2: Reproductive toxicity – Category 2

- * **Data compared to the previous version altered.**

AU