

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2016

Reviewed on 07/13/2015

1 Identification

- **Product identifier**
- **Trade name:** 3011, 3015, 3080, 8100, 8120 VAE adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Alpha Systems, LLC
5120 Beck Drive
ELKHART, IN 46516
USA
- **Information department:** Product safety department
- **Emergency telephone number:**
CHEMTREC Emergency: (800) 424-9300
During normal opening times: +1 (574) 295-5206

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).
- **Additional information:** Not a hazardous substance or mixture.

-
- **Label elements**
No labelling according to GHS required.

Reportable ingredients for labelling:

Water

Vinyl acetate/vinyl alcohol polymer

Vinyl acetate/ethylene polymer

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **Other hazards** No data available
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures** Copolymer of: vinyl acetate + ethylene + water
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void

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· **Additional information:**

This material does not contain any reportable hazardous ingredients.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

4 First-aid measures

· **Description of first aid measures**

· **General information:** Get medical attention if irritation occurs or if breathing becomes difficult.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Generally the product does not irritate the skin.

For skin contact, immediately wipe away excess material. Wash with soap and water.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:**

If symptoms persist consult doctor.

If swallowed, rinse mouth with water. Induce drinking plenty of water in small portions.

· **Information for doctor:** Treat symptomatically.

· **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

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Water may be used to cool tanks and structures adjacent to the fire.

· **For safety reasons unsuitable extinguishing agents:** None

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

This material does not present any unusual fire or explosion hazards.

· **Advice for firefighters**

· **Protective equipment:**

No special measures required.

Full turn-out gear and Self Contained Breathing Apparatus (SCBA) should be worn when fighting large fires.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Not required.

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

HAZWOPER PPE Level: D

· **Environmental precautions:** No special measures required.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal

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regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

· **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**

Avoid exposure by technical measures or personal protective equipment.

Increased risk of slipping if substance comes into contact with water.

· **Information about protection against explosions and fires:** No special measures required.

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

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Protect against frost.

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

· **Further information about storage conditions:**

Minimum temperature allowed during storage and transportation: 0 °C (32°F)

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

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:** Not required.

· **Protection of hands:**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Goggles recommended during refilling.

Safety glasses with side shields.

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- **Body protection:**
Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

| | |
|-------------------------|----------------------|
| Form: | Liquid |
| Color: | White |
| Odor: | Weak, characteristic |
| Odour threshold: | Not determined. |

- **pH-value at 20 °C (68 °F):** 4.5

- **Change in condition**

| | |
|-------------------------------------|-----------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 100 °C (212 °F) |

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**

| | |
|-----------------------------------|-----------------|
| Decomposition temperature: | Not determined. |
|-----------------------------------|-----------------|

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

| | |
|---------------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

- **Vapor pressure:** Not determined.

- **Density at 20 °C (68 °F):** 1.05 g/cm³ (8.762 lbs/gal)

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **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: | 0.0 % |
|--------------------------|-------|

| | |
|------------------------|--------|
| Solids content: | 54.0 % |
|------------------------|--------|

- **Other information** No further relevant information available.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **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**
Data derived for the product as a whole are of higher priority than data for single ingredients.

Acute Toxicity

Route of Exposure: Oral

Result/Effect: LD50: > 2000mg/kg

Species: Rat

Source: Conclusion by analogy OECD 423

Skin Irritation: Not irritating

Species: Rabbit

Source: Conclusion by analogy OECD 404

Eye Irritation: not irritating

Species: Rabbit

Source: Conclusion by analogy OECD 405

Respiratory or skin sensitization

Assessment: For this endpoint no toxicological test data is available for the whole product.

Data related to ingredients:

5-Chloro-2-methyl-4-isothiazoline-3-on and 2-methyl-4-isothiazoline-3-on (mixture in a ratio of 3:1): Based on the proven low sensitization induction threshold in human, mixtures containing 15ppm and higher are classified as skin sensitizing in Europe.

Germ cell Mutagenicity

Assessment: Based on known data a significant mutagenic potential may be excluded.

Result: Negative

Species: Mutation assay (in vitro) bacterial cells

Source: Conclusion by analogy OECD 471

- **Acute toxicity:**
- **Specific symptoms in biological assay:**
Based on the available data acute toxic effects are not expected after single oral exposure.

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

No toxicological test data is available for the whole product for the following endpoints:

Carcinogenicity, Reproductive toxicity, "Specific target organ toxicity (single or repeated exposure), or Aspiration

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hazard.

Further toxicological information: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

Assessment: No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Product Details:

Result: LC50: > 100 mg/l

Species: Rainbow trout (Oncorhynchus mykiss) (96 h)

Source: Conclusion by analogy OECD 203

Result: EC10: > 1000 mg/l

Species/Test system: Sludge (0.5 h)

Source: Conclusion by analogy

· **Aquatic toxicity:** *No further relevant information available.*

· **Persistence and degradability**

Assessment: Polymer component: Not readily biodegradable. Elimination by absorption to activated sludge. Separation by flocculation is possible.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** *No adverse effects expected.*

· **Mobility in soil** *No adverse effects expected.*

· **Additional ecological information:**

· **General notes:**

Not known to be hazardous to water.

The ecotoxicological results provided were obtained from tests with similar products.

· **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:**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

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· **Uncleaned packagings:**

· **Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

Recommended cleaning agent: water.

14 Transport information

| | |
|--|---|
| · UN-Number | Not regulated for transport |
| · DOT, IMDG, IATA | Not regulated for transport |
| · UN proper shipping name | Not Regulated |
| · Transport hazard class(es) | Not Regulated |
| · Packing group | Not Regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Valuation: Not regulated for transport |
| | Other Information: Protect from freezing, when exposed to cold temperatures approaching 0 °C (32°F) or below. |

15 Regulatory information

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

TSCA 12(b) Export Notification: this material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals: this material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals: this material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class: This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

CAS No. / Chemical / Upper Limit

75-07-0 / Acetaldehyde / <0.0039

67-56-1 / Methanol / <0.0064

50-00-0 / Formaldehyde / <0.0009

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

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· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

75-07-0 acetaldehyde

50-00-0 formaldehyde

· **Chemicals known to cause reproductive toxicity for females:**

67-56-1 methanol

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

Canadian regulations: This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

WHMIS Hazard Classes: None

DSL Status: This material or its components are listed on the Canadian Domestic Substances List.

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

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.

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the

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responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Glossary of Terms

DOT - Department of Transportation

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

SARA - Superfund Amendments and Reauthorization Act

STEL - Short Term Exposure Limit

TSCA - Toxic Substances Control Act

WHMIS - Canadian Workplace Hazardous Materials Identification system

- **Department issuing SDS:** Laboratory
- **Contact:** Safety Data Sheet Department
- **Date of preparation / last revision** 02/04/2016 / -
- **Abbreviations and acronyms:**

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

US