

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200)

Revision: June 26, 2020

1 Identification

- **Product identifier**
- **Trade name:** Valtron AD4015B
- **Product code:** AD4015B
- **Recommended use and restriction on use**
- **Recommended use:** Epoxy curing agent
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Valtech Corporation
2113 Sanatoga Station Road
Pottstown, PA 19464-3275 USA
610-705-5900
- **Emergency telephone number:**
ChemTel
1-800-255-3924 (US/Canada)
+1 813-248-0585 (International)
400-120-0751 (China)
000-800-100-4086 (India)
800-099-0731 (Mexico)



2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS05 GHS07

- **Signal word:** Danger
- **Hazard statements:**
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
- **Precautionary statements:**
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a poison center/doctor.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **NFPA ratings (scale 0 - 4)**



Health = 3
 Fire = 1
 Instability = 0

• **HMIS-ratings (scale 0 - 4)**



Health = 3
 Fire = 1
 Reactivity = 0

- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

• **Chemical characterization: Mixtures**

• **Components:**

Trade Secret Amine	<25%
⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318	
⚠ Acute Tox. 4, H312; Skin Sens. 1B, H317	

• **Additional information:**

For the wording of the listed Hazard Statements, refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

• **Description of first aid measures**

• **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

• **After skin contact:**

Do not pull solidified product away from the skin.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

Seek immediate help for blistering or open wounds.

• **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

• **After swallowing:**

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Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed:**

Headache

Strong caustic effect on skin and mucous membranes.

Dizziness

Coughing

Nausea

Gastric or intestinal disorders

Allergic reactions

- **Danger:**

Danger of gastric perforation.

Causes serious eye damage.

- **Indication of any immediate medical attention and special treatment needed:**

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If necessary oxygen respiration treatment.

Medical supervision for at least 48 hours.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Water fog / haze

Fire-extinguishing powder

Foam

Carbon dioxide

- **For safety reasons unsuitable extinguishing agents:**

Water stream.

Water spray

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

Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

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

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

- **Environmental precautions** Avoid release to the environment.

- **Methods and material for containment and cleaning up**

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

Sweep up and place into an appropriate container.

- **Reference to other sections**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
 - Use only in well ventilated areas.
 - Avoid breathing mist, vapors, or spray.
 - Avoid contact with the eyes and skin.
 - Open and handle receptacle with care.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

- **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.
- **Exposure controls**
- **General protective and hygienic measures:**
 - The usual precautionary measures for handling chemicals should be followed.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Do not inhale gases / fumes / aerosols.
 - Avoid contact with the eyes and skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
 - Not necessary if room is well-ventilated.
 - Use suitable respiratory protective device in case of insufficient ventilation.
 - For spills, respiratory protection may be advisable.
 - Use respiratory protection when grinding or cutting material.
- **Protection of hands:**



Protective gloves

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

- **Eye protection:**

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Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
No relevant information available.
- **Risk management measures** No relevant information available.

9 Physical and chemical properties

• Information on basic physical and chemical properties

• Appearance:

Form:	Liquid
Color:	Yellow
Odor:	Sulphurous
Odor threshold:	Not determined.

pH-value:	Alkaline
Melting point/Melting range:	Not applicable in liquid state
Boiling point/Boiling range:	>200 °C (>392 °F)

Flash point:	>130 °C (>266 °F)
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Flammability (solid, gaseous):	Not applicable.
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Auto-ignition temperature:	Not determined.
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Decomposition temperature:	Not determined.
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Danger of explosion:	Product does not present an explosion hazard.
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• Explosion limits

Lower:	Not determined.
Upper:	Not determined.

Oxidizing properties:	Non-oxidizing.
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Vapor pressure:	Not determined.
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• Density:

Relative density:	1.134
Vapor density:	> 1 (AIR = 1)
Evaporation rate:	< 1 (Butyl acetate = 1)

• Solubility in / Miscibility with

Water:	Not miscible or difficult to mix.
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Partition coefficient (n-octanol/water):	Not determined.
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• Viscosity

Dynamic:	Not determined.
Kinematic:	Not determined.

Other information	No relevant information available.
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10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
To avoid thermal decomposition, do not overheat.
- **Possibility of hazardous reactions**
Reacts with strong acids and oxidizing agents.
Reacts with peroxides and other radical forming substances.
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** Store away from oxidizing agents.
- **Incompatible materials**
Strong acids
Oxidizing agents.
- **Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide
Sulfur oxides (SOx)
Nitrogen oxides (NOx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Caustic effect on skin and mucous membranes.
- **On the eye:** Strong caustic effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Carcinogenic categories**

• IARC (International Agency for Research on Cancer):
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None of the ingredients are listed.

• NTP (National Toxicology Program):

None of the ingredients are listed.

• OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Ingestion.
Inhalation.
Eye contact.
Skin contact.

- **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.

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- **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** The product contains materials that are harmful to the environment.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR/RID/ADN, IMDG, IATA | <p>UN2735</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT, ADR/RID/ADN, IMDG, IATA | <p>AMINES, LIQUID, CORROSIVE, N.O.S. (Mixed Dimethylamines)</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | |
|  | |
| <ul style="list-style-type: none"> · Class · Label | <p>8</p> <p>8</p> |

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· ADR/RID/ADN



· Class 8 (C7)
 · Label 8

· IMDG, IATA



· Class 8
 · Label 8

· Packing group

· DOT, ADR/RID/ADN, IMDG, IATA III

· Environmental hazards

· Marine pollutant: No

· Special precautions for user

Warning: Corrosive substances

· Hazard identification number (Kemler code): 80

· EMS Number: F-A, S-B

· Segregation groups Alkalis

· Transport in bulk according to Annex II of
 MARPOL73/78 and the IBC Code

Not applicable.

· Transport/Additional information:

· DOT



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

· ADR/RID/ADN



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

· IMDG



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

· IATA

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Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L each / 1 L net.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

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

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

- **Proposition 65 (California)**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

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

None of the ingredients are listed.

- **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

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**

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

- **Date of preparation / last revision** June 26, 2020 / -

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B

Sources

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor-internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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