

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) Issue date: 4/4/2025 Version: 1.0

SECTION 1 Identification	
1.1. Product identifier	
Product form Trade name	: Substance : Armstrong C-7
1.2. Other means of identification	
No additional information available	
1.3. Recommended use of the chemical and	I restrictions on use
Recommended use Restrictions on use	: Epoxy resin : Product for industrial use only
1.4. Supplier's details	

ResinLab, LLC N109 W13300 Ellsworth Drive Germantown, WI 53022 - United States T:1-877-259-1669

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1.5. Emergency phone number

Emergency number

: CHEMTREC:1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1

- H315 H319
- Causes skin irritation.
 - Causes serious eye irritation.
 - H317 May cause an allergic skin reaction.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)

Signal word (GHS US) Hazard statements (GHS US)

Precautionary statements (GHS US)

- Warning · H315 - Causes skin irritation • H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
- P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
- P264 Wash hands, forearms and face thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

P302+P352 - If on skin: Wash with plenty of water.

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Name	: Epoxy Resin
CAS-No.	: 25068-38-6

Name	Product identifier	%
Epoxy Resin	CAS-No.: 25068-38-6	≥ 90
	•	

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid meas	ures
First-aid measures after inhalation First-aid measures after skin contact	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms/effects, acut	e and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion Chronic symptoms	 No effects known. Tingling/irritation of the skin. Irritation of the eye tissue. No effects known. Skin rash/inflammation. Runny nose.
4.3. Indication of immediate medical attention	on and special treatment needed, if necessary

Other medical advice or treatment

: Treat symptomatically.

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing	j media	
Suitable extinguishing media Unsuitable extinguishing media	Dry chemical. Water fog. Water spray. Foam. Dry powder.Do not use a heavy water stream.	
5.2. Specific hazards arising from the chem	ical	
Fire hazard	: Not easily combustible. Heating increases the fire hazard. Reactions involving a fire hazard: see "Reactivity Hazard".	
Explosion hazard	: No direct explosion hazard. Reactions with explosion hazards: see "Reactivity Hazard".	
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO2).	
5.3. Special protective equipment and preca	autions for fire-fighters	
Firefighting instructions Protection during firefighting	 Complete protective clothing. Prevent fire-fighting water from entering environment. Do not attempt to take action without suitable protective equipment. Self-contained breathing 	

apparatus. Complete protective clothing.

SECTION 6 Accidental release measures		
6.1. Personal precautions, protective equip	ment and emergency procedures	
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.	
For non-emergency personnel		
Protective equipment Emergency procedures	 Wear recommended personal protective equipment. Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. 	
For emergency responders		
Protective equipment	 Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Evacuate unnecessary personnel. Stop leak if safe to do so 	
Environmental precautions	: Avoid release to the environment. Prevent soil and water pollution. Prevent spreading in sewers.	
6.2. Methods and materials for containment and cleaning up		
For containment	: Absorb spilled material with sand or earth. Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.	
Methods for cleaning up	: Take up liquid spill into absorbent material. Clean contaminated surfaces with an excess of water. This material and its container must be disposed of in a safe way, and as per local legislation.	
Other information	: Dispose of materials or solid residues at an authorized site.	

For further information refer to section 13

SECTION 7 Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with skin and eyes. Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace. Provide local exhaust or general room ventilation. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Hygiene measures	: Always wash hands after handling the product. Wash contaminated clothing before reuse. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.	
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.	
7.2. Conditions for safe storage, including incompatibilities		
Technical measures	: Keep in a cool, well-ventilated place away from heat.	
Storage conditions	: Store in a well-ventilated place. Keep cool.	
Storage area	: Store in a well-ventilated place. Protect from heat and direct sunlight.	

: Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Packaging materials

No additional information available

8.2. Appropriate engineering controls	
Appropriate engineering controls :	Use only with adequate ventilation. Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace.
Environmental exposure controls :	Avoid release to the environment.
8.3. Individual protection measures, such as personal protective equipment	
Personal protective equipment: Wear recommended personal protective equipment.	

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties	
Physical state	Liquid
Color	Clear
Odor	Mild epoxy odor
Odor threshold	No data available
pH :	No data available
Melting point :	-16 °C (EU Method A.1: Melting/freezing point)
Freezing point :	No data available

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Boiling point	: No data available
Flash point	: 252 °C
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: < 0.00000001 hPa (25 °C, EU Method A.4: Vapour Pressure)
Relative vapor density at 20°C	No data available
Relative density	: 1.16 (25 °C, ASTM D4052: Density, Relative Density, and API Gravity of Liquids by Digital
	Density Meter)
Density	: 1.16 g/cm ³
Molecular mass	: < 700 g/mol
Solubility	: Soluble in aromatic hydrocarbons. insoluble in water. Soluble in acetone.
	Water: 3 mg/l (20 °C, EU Method A.6: Water solubility)
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	: > 300 °C
Decomposition temperature	: 320 °C (EU Method A.2: Boiling point)
Viscosity	No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Particle characteristics	: Particle size : Not applicable (liquid)

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content	:	0 %
Other properties	:	Slightly volatile.

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Acids. Amines. Mercaptans. Oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11 Toxicological information		
11.1. Information on toxicologic	al effects	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Epoxy Resin (25068-38-6)	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
Skin corrosion/irritation :	Causes skin irritation.
Epoxy Resin (25068-38-6)	
рН	No data available in the literature
Serious eye damage/irritation :	Causes serious eye irritation.
Epoxy Resin (25068-38-6)	
рН	No data available in the literature
Respiratory or skin sensitization : Germ cell mutagenicity : Carcinogenicity :	May cause an allergic skin reaction. Not classified Not classified
Epoxy Pocin (25069 29 6)	
NOAEL (chronic,oral,animal/male,2 years)	15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)
NOAEL (chronic,oral,animal/female,2 years)	100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)
Reproductive toxicity:STOT-single exposure:STOT-repeated exposure:Aspiration hazard:	Not classified Not classified Not classified Not classified
Epoxy Resin (25068-38-6)	
Viscosity	No data available in the literature
Symptoms/effects after inhalation:Symptoms/effects after skin contact:Symptoms/effects after eye contact:Symptoms/effects after ingestion:Chronic symptoms:	No effects known. Tingling/irritation of the skin. Irritation of the eye tissue. No effects known. Skin rash/inflammation. Runny nose.
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SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: Harmful to aquatic life.
Ecology - air	: Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not
	included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not
	classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Hazardous to the aquatic environment, short-term : (acute) Hazardous to the aquatic environment, long-term : (chronic)	Toxic to aquatic life. Not classified.
Epoxy Resin (25068-38-6)	
LC50 - Fish [1]	1.3 mg/l (96 h, Pisces, Literature study)
EC50 - Crustacea [1]	≈ 2 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	9.4 mg/l (EPA 660/3 - 75/009, Selenastrum capricornutum, Static system, Fresh water, Experimental value, Biomass)
EC50 72h - Algae [2]	> 11 mg/l Test organisms (species): Scenedesmus capricornutum
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
12.2. Persistence and degradability	
Armstrong C-7 (25068-38-6)	
Persistence and degradability	Not rapidly degradable
Epoxy Resin (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water.
12.3. Bioaccumulative potential	
Epoxy Resin (25068-38-6)	
Partition coefficient n-octanol/water (Log Pow)	3 (Estimated value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
12.4. Mobility in soil	
Epoxy Resin (25068-38-6)	
Surface tension	59 mN/m (20 °C, 0.09 g/l)
Ecology - soil	No (test)data on mobility of the substance available.
12.5. Other adverse effects	
Ozone : Fluorinated greenhouse gases :	Not classified No

SECTION 13 Disposal considerations	
Regional waste regulation Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations Additional information	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations. Disposal must be done according to official regulations. Consult an expert on waste disposal or treatment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

14.1. UN number	
UN-No. (DOT) UN-No. (IMDG) UN-No. (IATA)	 Not regulated 3082 3082
14.2. UN Proper Shipping Name	
Proper Shipping Name (DOT) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not regulated ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin) Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin)
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not regulated
IMDG Transport hazard class(es) (IMDG) Hazard labels (IMDG)	
IATA Transport hazard class(es) (IATA) Hazard labels (IATA)	: 9 : 9
14.4. Packing group	
Packing group (DOT) Packing group (IMDG) Packing group (IATA)	: Not regulated : III : III
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Transport in bulk	
Not applicable	
14.7. Special precautions for user	
DOT Not regulated	
IMDG Transport regulations (IMDG) Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG)	 Subject to the provisions 274, 335, 969 5 L E1 LP01, P001 PP1 IBC03 T4

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Tank special provisions (IMDG):EmS-No. (Fire):EmS-No. (Spillage):Stowage category (IMDG):	TP1, TP29 F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS A
ΙΑΤΑ	
Special provision (IATA) :	A97, A158, A197
Transport regulations (IATA) :	Subject to the provisions
PCA Excepted quantities (IATA) :	E1
PCA Limited quantities (IATA) :	Y964
PCA limited quantity max net quantity (IATA) :	30kgG
PCA packing instructions (IATA) :	964
PCA max net quantity (IATA) :	450L
CAO packing instructions (IATA) :	964
CAO max net quantity (IATA) :	450L
ERG code (IATA) :	9L

SECTION 15 Regulatory information

15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Epoxy Resin	25068-38-6	Present	Active	XU

15.2. International regulations

CANADA

Epoxy Resin (25068-38-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Epoxy Resin (25068-38-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Epoxy Resin (25068-38-6)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

15.3. State regulations

This product can expose you to chemicals including Epichlorohydrin, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) Issue date : 4/4/2025

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Full text of hazard classes and H-statements	
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H401	Toxic to aquatic life

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.