Safety Data Sheet (HazCom 2012)
CS-415 Part A Class B - CS415AB

Safety Data Sheet date: 1/29/2025, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CS-415 Part A Class B

Other means of identification:

SDS code: CS415AB

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial uses

Sealant

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Manufacturers:

Flamemaster Corp., 13576 Desmond Street, Pacoima, CA 9 133 1 - USA CAGE Code: 14439

Distributors:

Competent person responsible for the safety data sheet:

Flamemaster Corp., Tel 818-890-1401, Fax 818-890-6001, www.flamemaster.com

Emergency phone number:

CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Warning, Skin Sens. 1, May cause an allergic skin reaction.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects

Flamemaster Corp., Tel 818-890-1401, Fax 818-890-6001, www.flamemaster.com

Label elements

Hazard pictograms:

Warn ing

Hazardstatements:

H317 Maycause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing must not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water/...

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s)with unknown acute toxicity:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 50% - < 60% Aliphatic polysulfide polymer
CAS: 68611-50-7
US-HAE/C3 Aquatic Chronic 3 H412

>= 12.5% - < 15% Liquid polysulfide polymer
CAS: 68611-50-7
US-HAE/A3 Aquatic Acute 3 H402
US-HAE/C3 Aquatic Chronic 3 H412

>= 5% - < 7% aluminium powder (stabilised)
Index number: 013-002-00-1, CAS: 7429-90-5, EC: 231-072-3


B.12/2 Water-react. 2 H261


B.7/1 Flam. Sol. 1 H228

>= 1%-< 3% Silicones and Siloxanes, dimethyl reaction products with silica
CAS: 67762-90-7
US-HAE/C3 Aquatic Chronic 3 H412

>= 0.3% - < 0.5% Bisphenol A diglycidyl ether
CAS: 1675-54-3


A.2/2 Skin Irrit. 2 H315


A.4.2/1 Skin Sens. 1 H317


A.3/2A Eye Irrit. 2A H319


US-HAE/C2 Aquatic Chronic 2 H411

4. FIRST-AIDMEASURES

Description of necessary measures

In caseof skin contact:

Immediately take off all contaminated clothing.
Remove contaminated clothing immediately and dispose of safely.

In case of eyescontact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most importantsymptoms/effects,acuteanddelayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
No particular treatment.

5. FIRE-FIGHTINGMEASURES

Suitable extinguishing media:

Water.
Carbon dioxide (CO2).

Unsuitable extinguishing media

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

Hazardous combustionproducts:

None

Explosive properties: N.A.
Oxidizing properties: N.A.

Specialprotectiveequipmentandprecautions forfire-fighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTALRELEASEMEASURES

Personalprecautions,protectiveequipment,andemergencyprocedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLINGANDSTORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not use on extensive surface areas in premises where there are occupants.
Don't use empty container before they have been cleaned.
Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

aluminium powder (stabilised) - CAS: 7429-90-5

- OEL Type: ACGIH - TWA(8h): 1 mg/m3 - Notes: (R), A4 - Pneumoconiosis, LRT irr, neurotoxicity
- OEL Type: National - TWA(8h): 10 mg/m3 - Notes: France (INRS) ; métal
- OEL Type: National - TWA(8h): 5 mg/m3 - Notes: France (INRS) ; pulvérulent

DNEL Exposure Limit Values

aluminium powder (stabilised) - CAS: 7429-90-5

Worker Professional: 3.72 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 3.95 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 3.72 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

aluminium powder (stabilised) - CAS: 7429-90-5

Target: Fresh Water - Value: 0.0749 mg/l
Target: Sewage treatment plant - Value: 20 mg/l

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Aluminized Gray	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash Point (°F):	N.A.	--	--
Flash point (°C):	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--

Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	9000-16000 poise	--	--
Explosiveproperties:	N.A.	--	--
Oxidizingproperties:	N.A.	--	--

9.2. Otherinformation

Properties

	Value	**Method:**	**Notes**
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility ofhazardousreactions

None

Conditions toavoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

CS-415 Part A Class B

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

Germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
Carcinogenicity
Not classified
Based on available data, the classification criteria are not met
Reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
Aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Aliphatic polysulfide polymer - CAS: 68611-50-7
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Liquid polysulfide polymer - CAS: 68611-50-7
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
aluminium powder (stabilised) - CAS: 7429-90-5
Acute toxicity:
Test: LC50 - Route: Inhalation Dust - Species: Rat > 5 mg/l - Duration: 4h
Silicones and Siloxanes, dimethyl reaction products with silica - CAS: 67762-90-7
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 6350 mg/kg - Based on available data, the classification criteria are not met
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Based on available data, the classification criteria are not met
Test: LC0 - Route: Inhalation - Species: Rat 0.69 mg/l - Duration: 4h - Based on available data, the classification criteria are not met

Substance(s) listed on the NTP reportonCarcinogens:
None.
Substance(s) listed on the IARC Monographs:
Bisphenol A diglycidyl ether- Group 3.
Substance(s) listed as OSHACarcinogen(s):
None.
Substance(s) listed as NIOSHCarcinogen(s):
None.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
CS-415 Part A Class B
The product is classified: Aquatic Chronic 3 - H412
Liquid polysulfide polymer - CAS: 68611-50-7
a) Aquatic acute toxicity:
Endpoint: LL50
- Species: Fish > 100 mg/l - Duration h: 96 - Notes: Oryzias latipes
Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

Other adverse effects

N.A.

No harmful effects expected.

13. DISPOSALCONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of ADR, IATA and IMDG transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

N.A.

15. REGULATORYINFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: All the components of this product are listed as active on or are exempt from the TSCA Inventory..

TSCA sections for substances listed in section 3:
Aliphatic polysulfide polymer is listed in TSCA Section 8b
Liquid polysulfide polymer is listed in TSCA Section 8b
aluminium powder (stabilised) is listed in TSCA Section 8b
Silicones and Siloxanes, dimethyl reaction products with silica is listed in TSCA Section 8b, Section 8a - PAIR
Bisphenol A diglycidyl ether is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.
Section 304 Hazardous substances: no substances listed.
Section 313 Toxic chemical list: aluminium powder (stabilised).

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act
CAA listed substances:
None.

CWA - Clean Water Act
CWA listed substances:
aluminium powder (stabilised) is listed in CWA Section 304.

USA - Statespecificregulations
California Proposition 65
Substance(s) listed under California Proposition 65:
None.
Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
aluminium powder (stabilised).
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
aluminium powder (stabilised).
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
aluminium powder (stabilised).

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

16. OTHERINFORMATION

Full text of phrases referred to in Section 3:
H412 Harmful to aquatic life with long lasting effects.
H402 Harmful to aquatic life.
H261 In contact with water releases flammable gases.
H228 Flammable solid.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

According to TSCA section 3(2)(B)(i) : a hydrated form of a chemical substance is considered a mixture of the corresponding anhydrous form and water.

Disclaimer:
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.
This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.

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EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
TOTAL VOC'S (TVOC) / NONEXEMPT VOC'S (CVOC): Using California South Coast Air Quality Management District (SCAQMD) Rule 1143.	
STEL:	
STOT:	Short Term Exposure limit.
TLV:	Specific Target Organ Toxicity.
TWA:	Threshold Limiting Value. Time-weighted average

Safety Data Sheet date: 1/29/2025, version 1