

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

Safety Data Sheet date: 12/11/2024, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CS-2415 Part A Class B-2

Other means of identification:

SDS code: CS2415AB2

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 91331 - USA CAGE Code: 14439

Distributors:

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

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, Flam. Liq. 4, Combustible liquid.



Danger, Skin Corr. 1B, Causes severe skin burns and eye damage.



Danger, Eye Dam. 1, Causes serious eye damage.



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

Label elements

Hazard pictograms:



Danger

Hazard statements:

H227 Combustible liquid.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P264 Wash hands thoroughly after handling.

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/clothing and eye/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water/...
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
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.
P370+P378 In case of fire: Use Alcohol foam, carbon dioxide (CO₂), dry chemical, water spray/water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
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:

>= 40% - < 50% Mercapto-terminated polysulfide polymer

CAS: 109159-22-0

 A.2/1B Skin Corr. 1B H314

 A.1/4/Dermal Acute Tox. 4 H312

 A.4.2/1 Skin Sens. 1 H317

 A.3/1 Eye Dam. 1 H318


>= 15% - < 20% Aliphatic polysulfide polymer

CAS: 68611-50-7

US-HAE/C3 Aquatic Chronic 3 H412

>= 7% - < 10% Aluminum hydroxide

CAS: 7429-90-5, EC: 231-072-3

 B.7/1 Flam. Sol. 1 H228

 B.12/2 Water-react. 2 H261

Safety Data Sheet (HazCom 2012) CS-2415 Part A Class B-2 - CS2415AB2

 A.1/4/Oral Acute Tox. 4 H302

 A.1/4/Inhal Acute Tox. 4 H332

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

>= 0.1% - < 0.25% tetramethylthiuram disulphide
CAS: 137-26-8

 A.1/4/Oral Acute Tox. 4 H302

 A.1/4/Inhal Acute Tox. 4 H332

 A.2/2 Skin Irrit. 2 H315

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

 A.4.2/1 Skin Sens. 1 H317

 A.9/2 STOT RE 2 H373

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Remove contaminated clothing immediately and dispose of safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

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-FIGHTING MEASURES

Suitable extinguishing media:

Safety Data Sheet (HazCom 2012) CS-2415 Part A Class B-2 - CS2415AB2

In case of fire: Use Alcohol foam, carbon dioxide (CO₂), dry chemical, water spray/water fog to extinguish.

Unsuitable extinguishing media
None in particular.

Specific hazards arising from the chemical
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

Hazardous combustion products:
None

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

Special protective equipment and precautions for fire-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. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
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. HANDLING AND STORAGE

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:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Aluminum hydroxide - CAS: 7429-90-5
- OEL Type: VLE - TWA: 1 mg/m³
tetramethylthiuram disulphide - CAS: 137-26-8
- OEL Type: ACGIH - TWA: 5 mg/m³ - Notes: Inhalable fraction and vapor
- OEL Type: NIOSH - TWA: 0.05 mg/m³
- OEL Type: OSHA PEL - TWA: 5 mg/m³

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

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:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Aluminium	--	--
Odour:	Polysulfide Odor	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash Point (°F):	200	--	--
Flash point (°C):	93	--	--
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:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

9.2. Other information

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 of hazardous reactions
 None
 Conditions to avoid
 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-2415 Part A Class B-2
 Acute toxicity
 Not classified
 Based on available data, the classification criteria are not met
 ATEmix - Oral 6409.43 mg/kg bw
 ATEmix - Dermal 2215.61 mg/kg bw
 ATEmix - Inhalation (Vapours) 141.008 mg/l
 Skin corrosion/irritation
 The product is classified: Skin Corr. 1B H314
 Serious eye damage/irritation
 The product is classified: Eye Dam. 1 H318
 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

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Mercapto-terminated polysulfide polymer - CAS: 109159-22-0

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3000 mg/kg

Test: ATE - Route: Skin 1100 mg/kg

Aliphatic polysulfide polymer - CAS: 68611-50-7

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Aluminum hydroxide - CAS: 7429-90-5

Acute toxicity:

Test: LC50 - Route: Inhalation - 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

tetramethylthiuram disulphide - CAS: 137-26-8

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 1000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 3.46 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat 1800 mg/kg

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

CS-2415 Part A Class B-2

Not classified for environmental hazards

Based on available data, the classification criteria are not met

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

No harmful effects expected.

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

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-Environmental 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. REGULATORY INFORMATION

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:

Mercapto-terminated polysulfide polymer is listed in TSCA Section 8b

Aliphatic polysulfide polymer is listed in TSCA Section 8b

Aluminum hydroxide is listed in TSCA Section 8b

Silicones and Siloxanes, dimethyl reaction products with silica is listed in TSCA Section 8b

tetramethylthiuram disulphide 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: Aluminum hydroxide, tetramethylthiuram disulphide.

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:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Aluminum hydroxide
tetramethylthiuram disulphide.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Aluminum hydroxide
tetramethylthiuram disulphide.

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. OTHER INFORMATION

Full text of phrases referred to in Section 3:

- H314 Causes severe skin burns and eye damage.
- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- H228 Flammable solid.
- H261 In contact with water releases flammable gases.
- H302 Harmful if swallowed.
- H332 Harmful if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.

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.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

HMIS: Hazardous Materials Identification System

Safety Data Sheet (HazCom 2012)
CS-2415 Part A Class B-2 - CS2415AB2

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:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average

Safety Data Sheet date: 12/11/2024, version 1