

**Safety Data Sheet (HazCom 2012)**  
**CS-2725 Part B - CS2725B**

**Safety Data Sheet date: 1/14/2025, version 1**

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## 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CS-2725 Part B

Other means of identification:

SDS code: CS2725B

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](http://www.flamemaster.com)

Competent person responsible for the safety data sheet:

Flamemaster Corp., Tel 818-890-1401, Fax 818-890-6001, [www.flamemaster.com](http://www.flamemaster.com)

Emergency phone number:

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

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## 2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Warning, Flam. Liq. 4, Combustible liquid.



Warning, Skin Irrit. 2, Causes skin irritation.



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



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

Aquatic Acute 3, Harmful to aquatic life.

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

Label elements

Hazard pictograms:



Danger

Hazard statements:

H227 Combustible liquid.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H402 Harmful to aquatic life.

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

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

P264 Wash hands thoroughly after handling.

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/...

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/...

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use Alcohol foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water spray/water fog to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

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.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 15% - < 20% Fatty acids, tall-oil, reaction products with tetraethylenepentamine

CAS: 68953-36-6



A.2/2 Skin Irrit. 2 H315



A.3/1 Eye Dam. 1 H318



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



A.4.2/1 Skin Sens. 1 H317



A.8/3 STOT SE 3 H335









US-HAE/C2 Aquatic Chronic 2 H411








>= 3% - < 5% TETRAETHYLENEPENTAMINE

Index number: 612-060-00-0, CAS: 112-57-2, EC: 203-986-2

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-  A.1/4/Dermal Acute Tox. 4 H312
-  A.1/4/Oral Acute Tox. 4 H302
-  A.2/1B Skin Corr. 1B H314
-  A.3/1 Eye Dam. 1 H318
-  A.4.2/1 Skin Sens. 1 H317
- US-HAE/A2 Aquatic Acute 2 H401
-  US-HAE/C2 Aquatic Chronic 2 H411

>= 1% - < 3% TRIETHYLENETETRAMINE  
 CAS: 112-24-3

-  A.1/4/Oral Acute Tox. 4 H302
-  A.1/4/Dermal Acute Tox. 4 H312
-  A.2/1B Skin Corr. 1B H314
-  A.3/1 Eye Dam. 1 H318
-  A.4.2/1 Skin Sens. 1 H317
-  A.8/3 STOT SE 3 H335
-  US-HAE/C2 Aquatic Chronic 2 H411

### 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. Obtain a medical examination.

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

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In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

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#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire: Use Alcohol foam, carbon dioxide (CO<sub>2</sub>), 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.

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#### 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.

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#### 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.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

TETRAETHYLENEPENTAMINE - CAS: 112-57-2

- OEL Type: TWA - TWA: 5 mg/m<sup>3</sup>

TRIETHYLENETETRAMINE - CAS: 112-24-3

- OEL Type: ST - TWA: 10 ppm

- OEL Type: TWA - TWA: 6 mg/m<sup>3</sup>

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:

Not needed for normal use.

Thermal Hazards:

None

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Off-white	--	--
Odour:	Slight Ammonia 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.	--	--

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Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

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:

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Acute toxicity

Not classified

Based on available data, the classification criteria are not met

ATEmix - Oral 14698.8 mg/kg bw

ATEmix - Dermal 28376.1 mg/kg bw

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

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

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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:  
TRIETHYLENETETRAMINE - CAS: 112-24-3  
Acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat 1716 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit 1465 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.

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity

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

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The product is classified: Aquatic Acute 3 - H402; Aquatic Chronic 3 - H412

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

No harmful effects expected.

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## 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.

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## 14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 1760

DOT number: UN1760

IATA-UN Number: 1760

IMDG-UN Number: 1760

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UN proper shipping name  
 ADR-Shipping Name: CORROSIVE LIQUID, N.O.S.  
 (TETRAETHYLENEPENTAMINE)  
 DOT-Shipping Name: Corrosive liquids, n.o.s.(TETRAETHYLENEPENTAMINE)  
 IATA-Shipping Name: CORROSIVE LIQUID, N.O.S.  
 (TETRAETHYLENEPENTAMINE)  
 IMDG-Shipping Name: CORROSIVE LIQUID, N.O.S.  
 (TETRAETHYLENEPENTAMINE)

Transport hazard class(es)  
 ADR-Class: 8  
 DOT Hazard Class: 8  
 ADR - Hazard identification number: 80  
 IATA-Class: 8  
 IATA-Label: 8  
 IMDG-Class: 8

Packing group  
 ADR-Packing Group: II  
 DOT Packing group: II  
 IATA-Packing group: II  
 IMDG-Packing group: II

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  
 DOT Special provisions: B2, IB2, T11, TP2, TP27  
 ADR-Subsidiary hazards: -  
 ADR-S.P.: 274  
 ADR-Transport category (Tunnel restriction code): 2 (E)  
 IATA-Passenger Aircraft: 851  
 IATA-Subsidiary hazards: -  
 IATA-Cargo Aircraft: 855  
 IATA-S.P.: A3 A803  
 IATA-ERG: 8L  
 IMDG-EmS: F-A , S-B  
 IMDG-Subsidiary hazards: -  
 IMDG-Stowage and handling: Category B SW2  
 IMDG-Segregation: -  
 Q.L.: 1L  
 Q.L.: 1L  
 Q.E.: E2

## 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:

Fatty acids, tall-oil, reaction products with

tetraethylenepentamine is listed in TSCA Section 8b

TETRAETHYLENEPENTAMINE is listed in TSCA Section 8b

TRIETHYLENETETRAMINE is listed in TSCA Section 8b.



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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: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
No substances listed.

CAA - Clean Air Act  
CAA listed substances:  
TETRAETHYLENEPENTAMINE is listed in CAA Section 112(b) - HON.

CWA - Clean Water Act  
CWA listed substances:  
None.

USA - State specific regulations

California Proposition 65  
Substance(s) listed under California Proposition 65:  
None.

Massachusetts Right to know  
Substance(s) listed under Massachusetts Right to know:  
TETRAETHYLENEPENTAMINE  
TRIETHYLENETETRAMINE.

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

Pennsylvania Right to know  
Substance(s) listed under Pennsylvania Right to know:  
TETRAETHYLENEPENTAMINE  
TRIETHYLENETETRAMINE.

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:

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**16. OTHER INFORMATION**

Full text of phrases referred to in Section 3:  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H312 Harmful in contact with skin.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H401 Toxic to aquatic life.

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.

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**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
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

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