

Safety Data Sheet (HazCom 2012) CS-1900 PART A BASE

Safety Data Sheet date: 12/13/2024, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CS-1900 PART A BASE

Other means of identification:

SDS code: CS1900A

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial uses

Fire retardant

Restrictions on use:

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

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 /

Fax +353 21 4889923 / ireland@socomore.com

Distributors:

Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 /

csr-na@socomore.com/ Fax Number: 817-335-2405

Socomore Canada Limited - Unit 113 - 418 East Kent Ave S., Vancouver, BC V5X 2X7,

Canada / Email: csr-ca@socomore.com / Phone: +1 604 420 7707 / Fax: +1 604 420 7701

Competent person responsible for the safety data sheet:

msdsinformation-na@socomore.com

Emergency phone number:

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

2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2A, Causes serious eye irritation.



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



Warning, Carc. 2, Suspected of causing cancer.



Warning, STOT SE 3, May cause drowsiness or dizziness.



Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Aquatic Acute 3, Harmful to aquatic life.

Label elements

Hazard pictograms:

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE



Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H402 Harmful to aquatic life.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- 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.
- P271 Use only outdoors or in a well-ventilated area.
- 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/...
- 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.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor/... if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: 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 (CO₂), dry chemical, water spray/water fog to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- 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:

Safety Data Sheet (HazCom 2012)
CS-1900 PART A BASE

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 15% - < 20% Methyl ethyl ketone

CAS: 78-93-3



A.2/2 Skin Irrit. 2 H315



B.6/2 Flam. Liq. 2 H225



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



A.8/3 STOT SE 3 H336

>= 10% - < 12.5% 4 Methyl-2-Pentanone

CAS: 108-10-1



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



A.6/2 Carc. 2 H351



A.8/3 STOT SE 3 H336



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



B.6/2 Flam. Liq. 2 H225

>= 10% - < 12.5% MMVF note Q fibers [Man-made vitreous (silicate) fibers with random orientation with alkaline and alkali earth oxides (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight)

CAS: 65997-17-3, EC: 926-099-9



A.2/2 Skin Irrit. 2 H315

A.3/2B Eye Irrit. 2B H320



A.8/3 STOT SE 3 H335



A.9/2 STOT RE 2 H373

>= 1% - < 3% Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]




REACH No.: Polymer-----, CAS: 25036-25-3



A.8/3 STOT SE 3 H336

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

-  A.2/2 Skin Irrit. 2 H315
-  A.3/2A Eye Irrit. 2A H319
-  A.4.2/1 Skin Sens. 1 H317

>= 0.3% - < 0.5% hydroxylamine ... % [> 55 % in aqueous solution]
 Index number: 612-122-00-7, CAS: 7803-49-8, EC: 232-259-2

-  B.1/U Unst. Expl. H200
-  B.16/1 Met. Corr. 1 H290
-  A.6/2 Carc. 2 H351
-  A.9/2 STOT RE 2 H373
-  A.8/3 STOT SE 3 H335
-  A.2/2 Skin Irrit. 2 H315
-  A.3/1 Eye Dam. 1 H318
-  A.4.2/1 Skin Sens. 1 H317
-  US-HAE/A1 Aquatic Acute 1 H400
-  A.1/4/Oral Acute Tox. 4 H302
-  A.1/4/Dermal Acute Tox. 4 H312

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.
 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

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

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:

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:

lower limit: 2.3 upper limit: 11.0

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 all sources of ignition.

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.

Exercise the greatest care when handling or opening the container.

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.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

Safety electric system.
 Storage temperature:
 Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Methyl ethyl ketone - CAS: 78-93-3

- OEL Type: ACGIH - TWA: 200 ppm - STEL: 200 mg/m³ - Notes: ACGIH OEL TWA
- OEL Type: OSHA PEL - TWA: 590 mg/m³, 200 ppm

4 Methyl-2-Pentanone - CAS: 108-10-1

- OEL Type: ACGIH - TWA: 20 ppm
- OEL Type: NIOSH REL - TWA: 205 mg/m³, 50 ppm

MMVF note Q fibers [Man-made vitreous (silicate) fibers with random orientation with alkaline and alkali earth oxides (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight) - CAS: 65997-17-3

- OEL Type: OSHA PEL - TWA: 15 mg/m³
- OEL Type: NIOSH - TWA: 5 mg/m³

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:		--	--
Odour:	Ketone Odor	--	--
Odour threshold:	N.A.	--	--
pH:	6.7	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	>37°C	--	--
Flash Point (°F):	30	--	--
Flash point (°C):	-1.1°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability	N.A.	--	--

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

or explosive limits:			
Vapour pressure:	70 mmHg(@ 20°C)	--	--
Vapour density:	N.A.	--	--
Relative density:	1.2	--	--
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:	lower limit: 2.3 upper limit: 11.0	--	--
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

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

CS-1900 PART A BASE

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

ATEmix - Inhalation (Vapours) 91.3166 mg/l

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Irrit. 2A H319

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

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

The product is classified: Carc. 2 H351

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

The product is classified: STOT SE 3 H336

STOT-repeated exposure

The product is classified: STOT RE 2 H373

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Methyl ethyl ketone - CAS: 78-93-3

Acute toxicity

ATE - Oral 2737 mg/kg bw

ATE - Dermal 6480 mg/kg bw

ATE - Inhalation (Vapours) 34 mg/l

ATE - Inhalation (Dust/mist) 34 mg/l

ATE - Inhalation (Gas) 11300 ppmV

Test: LD50 - Route: Oral - Species: Rat = 2193 mg/kg - Source: OECD 423

Test: LD50 - Route: Skin - Species: Rabbit > 10 ml/kg - Duration: 24 hours - Source: OECD 402

Test: LC50 - Route: Inhalation - Species: Rat = 34 mg/kg - Duration: 4h

Test: LC50 - Route: Inhalation - Species: Rat = 11300 ppm - Duration: 4h

Test: ATE - Route: Oral = 2737.000 mg/kg bw

Test: ATE - Route: Skin = 6480.000 mg/kg bw

Test: ATE - Route: Inhalation Gas = 11300.000 ppmV - Duration: 4h

Test: ATE - Route: Inhalation Vapour = 34.000 mg/l - Duration: 4h

Test: ATE - Route: Inhalation (dust, mist) = 34.000 mg/l - Duration: 4h

4 Methyl-2-Pentanone - CAS: 108-10-1

Acute toxicity:

Test: ATE - Route: Inhalation 11.72 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation - Species: Rat 11.6 mg/l - Duration: 4h - Notes: The component/mixture is moderately toxic after short term inhalation.

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] - CAS: 25036-25-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

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

None.

Substance(s) listed on the IARC Monographs:

4 Methyl-2-Pentanone - Group 2B

MMVF note Q fibers [Man-made vitreous (silicate) fibers with random orientation with alkaline and alkali earth oxides (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight) - Group 3.

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

None.

Safety Data Sheet (HazCom 2012)
CS-1900 PART A BASE

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-1900 PART A BASE

The product is classified: Aquatic Acute 3 - H402

Methyl ethyl ketone - CAS: 78-93-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2993 mg/l - Duration h: 96 - Notes: Pimephalales promelas, OECD 203

Endpoint: EC50 - Species: Daphnia Magna = 308 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: ErC50 - Species: Algae = 1972 mg/l - Duration h: 72 - Notes: OECD 201

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.

14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 1133
 DOT number: UN1133
 IATA-UN Number: 1133
 IMDG-UN Number: 1133

UN proper shipping name

ADR-Shipping Name: ADHESIVES
 DOT-Shipping Name: Adhesives, containing a flammable liquid
 IATA-Shipping Name: ADHESIVES
 IMDG-Shipping Name: ADHESIVES

Transport hazard class(es)

ADR-Class: 3
 DOT Hazard Class: 3
 ADR - Hazard identification number: 33
 IATA-Class: 3
 IATA-Label: 3
 IMDG-Class: 3

Packing group

ADR-Packing Group: II

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

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: 149, 383, B52, IB2, T4, TP1, TP8
 ADR-Subsidiary hazards: -
 ADR-S.P.: 640D
 ADR-Transport category (Tunnel restriction code): 2 (D/E)
 IATA-Passenger Aircraft: 353
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 364
 IATA-S.P.: A3
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-D
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: -

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:

Methyl ethyl ketone is listed in TSCA Section 8

4 Methyl-2-Pentanone is listed in TSCA Section 8b

MMVF note Q fibers [Man-made vitreous (silicate) fibers with random orientation with alkaline and alkali earth oxides (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight) is listed in TSCA Section 8b

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1 phenyleneoxymethylene)]bis[oxirane] is listed in TSCA Section 8b

hydroxylamine ... % [> 55 % in aqueous solution] is listed in TSCA Section 8a - CAIR, 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: no substances listed.

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:

Safety Data Sheet (HazCom 2012)

CS-1900 PART A BASE

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:
hydroxylamine ... % [> 55 % in aqueous solution].

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:
hydroxylamine ... % [> 55 % in aqueous solution].

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:
hydroxylamine ... % [> 55 % in aqueous solution].

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:

H315 Causes skin irritation.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H332 Harmful if inhaled.

H351 Suspected of causing cancer.

H320 Causes eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H317 May cause an allergic skin reaction.

H200 Unstable explosives.

H290 May be corrosive to metals.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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).

Safety Data Sheet (HazCom 2012) CS-1900 PART A BASE

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

Safety Data Sheet date: 12/13/2024, version 1