



## Safety Data Sheet Catalizzatore

Safety Data Sheet dated 9/13/2019, version 1

### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: Catalizzatore

Other means of identification:

Trade code: 6ES36

Recommended use of the chemical and restrictions on use

Restrictions on use:

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

Company:

Sirca S.p.A.

Address:

Viale Roma, 85  
35010 S.Dono di Massanzago (PD) - ITALY  
Tel. +39 0499322311

Distributed by:

GEMINI INDUSTRIES, INC.  
2300 Holloway Drive  
El Reno, OK 73036  
USA  
Tel. 1-800-262-5710  
Fax 1-405-262-9310  
www.gemini-coatings.com

Competent person responsible for the safety data sheet:

safety@sirca.it

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
1-800-424-9300 / +1 703-527-3887.

### 2. HAZARD(S) IDENTIFICATION

Classification of the chemical



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



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



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

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

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash with water thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 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/...  
 P321 Specific treatment (see ... On this label).  
 P363 Wash contaminated clothing before reuse.  
 P370+P378 In case of fire: Use ... 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.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 75% Reaction products of di-, tri- and tetra-propoxylated propane 1,2-diol with ammonia

REACH No.: 01-2119557899-12-xxxx, CAS: 9046-10-0, EC: 618-561-0



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

US-HAE/C3 Aquatic Chronic 3 H412

>= 2% - < 2.5% propan-2-ol

REACH No.: 01-2119457558-25-xxxx, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7



B.6/2 Flam. Liq. 2 H225



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

 A.8/3 STOT SE 3 H336

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#### 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 off 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:

None

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#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire: Use ... 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 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.

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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, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

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 flame and sparks. Avoid accumulating electrostatic charge.  
Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.



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

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

propan-2-ol - CAS: 67-63-0

ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

### DNEL Exposure Limit Values

propan-2-ol - CAS: 67-63-0

Worker Industry: 500 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 888 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 89 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 26 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

### PNEC Exposure Limit Values

Reaction products of di-, tri- and tetra-propoxylated propane 1,2-diol with ammonia - CAS: 9046-10-0

Target: Fresh Water - Value: 0.015 mg/l

Target: Marine water sediments - Value: 0.125 mg/kg

Target: Freshwater sediments - Value: 0.132 mg/kg

Target: Marine water - Value: 0.0143 mg/l

Target: Soil (agricultural) - Value: 0.0176 mg/kg

Target: Microorganisms in sewage treatments - Value: 7.5 mg/l

propan-2-ol - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/l

Target: Marine water - Value: 140.9 mg/l

Target: occasional emission - Value: 140.9 mg/l

Target: Freshwater sediments - Value: 552 mg/kg

Target: Marine water sediments - Value: 552 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg

Target: STP - Value: 2251 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:

Use adequate protective respiratory equipment.

#### Thermal Hazards:

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	< 21° C - < 69.8 °F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.9300 Kg/l a 20° C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250° C
Decomposition temperature:	N.A.



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Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

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#### 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  
No dangerous reaction is stored and used appropriately.
- Conditions to avoid  
Avoid accumulating electrostatic charge.  
Vapours can form explosive mixtures with air.
- Incompatible materials  
Avoid contact with combustible materials. The product could catch fire.
- Hazardous decomposition products  
None.

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#### 11. TOXICOLOGICAL INFORMATION

- Information on toxicological effects  
Toxicological information of the product:  
N.A.
- Toxicological information of the main substances found in the product:  
Reaction products of di-, tri-and tetra-propoxylated propane 1,2-diol with ammonia - CAS: 9046-10-0
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat 2885.3 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat > 0.74 mg/l  
Test: LD50 - Route: Skin - Species: Rabbit 2979.7
- b) skin corrosion/irritation:  
Test: Skin Corrosive - Species: Rabbit Positive - Duration: 4h
- c) serious eye damage/irritation:  
Test: Eye Corrosive - Species: Rabbit Positive
- d) respiratory or skin sensitisation:  
Test: Skin Sensitization - Species: Cavia porcellus Negative
- propan-2-ol - CAS: 67-63-0
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 5045 mg/kg  
Test: LD50 - Route: Skin - Species: Rat = 12800 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 72000 mg/m3 - Duration: 4h
- Substance(s) listed on the NTP report on Carcinogens:  
None.
- Substance(s) listed on the IARC Monographs:  
propan-2-ol - Group 3.
- 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.  
Reaction products of di-, tri-and tetra-propoxylated propane 1,2-diol with ammonia - CAS: 9046-10-0
- a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Algae 141.72 mg/l - Duration h: 72  
Endpoint: EC50 - Species: Fish > 15 mg/l - Duration h: 96  
Endpoint: LC50 - Species: Fish 772.14 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia 80 mg/l - Duration h: 48  
Endpoint: ErC50 - Species: Algae 15 mg/l - Duration h: 72
- propan-2-ol - CAS: 67-63-0
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96  
Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 24
- b) Aquatic chronic toxicity:  
Endpoint: NOEC - Species: Daphnia = 30 mg/l - Duration h: 504 - Notes: Prova semistatica
- c) Bacteria toxicity:  
Endpoint: EC50 - Species: Active mud > 1000 mg/l
- e) Plant toxicity:



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Endpoint: NOEC - Species: Algae = 1800 mg/l - Duration h: 168 - Notes: Prova statica, inibizione della crescita

Persistence and degradability  
N.A.

Bioaccumulative potential  
N.A.

Mobility in soil  
N.A.

Other adverse effects  
None

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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: 1263  
DOT-UN Number: 1263  
IATA-UN Number: 1263  
IMDG-UN Number: 1263

UN proper shipping name  
ADR-Shipping Name: Paint Related material  
DOT-Shipping Name: Paint Related material  
IATA-Shipping Name: Paint Related material  
IMDG-Shipping Name: Paint Related material

Transport hazard class(es)  
ADR-Class: 3  
DOT-Class: 3  
IATA-Class: 3  
IMDG-Class: 3

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

Special precautions  
ADR-Tunnel Restriction Code: D/E  
DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28  
IATA-Passenger Aircraft: 353  
IATA-Cargo Aircraft: 364  
IATA-S.P.: A72  
IATA-ERG: 8L  
IMDG-EmS: F-E, S-E  
IMDG-Storage category: B

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)  
No

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### 15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act  
List of substances included in the TSCA inventory: propan-2-ol.  
List of substances not included in the TSCA inventory: Reaction products of di-, tri- and tetra-propoxylated propane 1,2-diol with ammonia.  
TSCA listed substances:  
None.

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: propan-2-ol.

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

CAA - Clean Air Act  
CAA listed substances:  
propan-2-ol is listed in CAA Section 111.

CWA - Clean Water Act  
CWA listed substances:



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propan-2-ol is listed in CWA Section 304.

#### 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:  
propan-2-ol.

##### New Jersey Right to know

Substance(s) listed under New Jersey Right to know:  
propan-2-ol.

##### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:  
propan-2-ol.

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## 16. OTHER INFORMATION

Text of phrases referred to under heading 3:

- H314 Causes severe skin burns and eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

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