

Safety Data Sheet
COMORAL DSP - P43437

Safety Data Sheet dated 9/12/2018, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: COMORAL DSP

Other means of identification:

SDS code: P43437

Recommended use of the chemical and restrictions on use

Recommended use:

Cleaner

Industrial uses

Restrictions on use:

No uses advised against are identified.

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

Company:

Dysol Inc. - 791 Westport Parkway - Fort Worth, TX 76177 / Phone: 1-817-335-1826 /
csr-na@socomore.com/ Fax Number: 817-335-2405Distributor: SOCOMORE S.A.S. - Zone Industrielle du Prat - CS 23707 - 56037 VANNES
CEDEX - France - Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 20 26Distributor: Socomore Ltd - 5, Coe Avenue - Loughborough - Leicestershire - LE11 4SE - UK
- Tel: +44 1509 262040 - Fax: +44 1509 262046Distributor: Socomore Iberia - Calle Diputacio, 260 - 08007 Barcelona - Espana - Tel: +34 917
693 962 - Fax: +34 902 908 966Distributor: MagChem Inc. 1271, rue Ampere, suite 101, Boucherville, QC, J4B 5Z5 Canada -
Tel: 1-450 641 8500 - Fax: 1-450 655 1717Distributor: Socomore GmbH - c/o MAZARS GmbH - Theodor-Stern-Kai 1 - 60596 Frankfurt
am Main - Deutschland - Tel: +49 (0)89 20 70 28 83 - Fax: +49 (0) 89 88 91 98 16Distributor: Socomore Trading Shangai - 355 East Kang Qiao Road - Kang Qiao Industrial
Zone - Pudong - 201315 Shangai - Tel: 862158131133 - Fax: 862158131933Dystrybutor : SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +48 608
454 114 - Fax : +48 (22) 621 61 09

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

Emergency phone number

CHEMTEL: 1-800-255-3924 (USA) / CANUTEC: 1-613-996-6666 (CANADA)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Warning, Skin Irrit. 2, Causes skin irritation.



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



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

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Label elements

Hazard pictograms:



Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

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

Precautionary statements:

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

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves 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/...

P314 Get medical advice/attention if you feel unwell.

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

P362+P364 Take off contaminated clothing and wash it 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:

>= 10% - < 12.5% 2,2'-IMINODIETHANOL; DIETHANOLAMINE

REACH No.: 01-2119488930-28, Index number: 603-071-00-1, CAS: 111-42-2, EC: 203-868-0

A.9/2 STOT RE 2 H373

A.2/2 Skin Irrit. 2 H315

A.3/1 Eye Dam. 1 H318

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

>= 10% - < 12.5% isononanoic acid, compound with 2,2',2''-nitrilotriethanol (1:1)

CAS: 67801-51-8, EC: 267-170-8

A.2/2 Skin Irrit. 2 H315

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

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>= 1% - < 3% TETRASODIUM ETHYLENEDIAMINETETRAACETATE

REACH No.: 01-2119486762-27, Index number: 607-428-00-2, CAS: 64-02-8, EC: 200-573-9

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

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

 A.2/2 Skin Irrit. 2 H315

 A.3/1 Eye Dam. 1 H318

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. 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

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:

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 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.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

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, 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

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

2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2

- OEL Type: ACGIH - TWA(8h): 1 mg/m³ - Notes: (IFV), Skin, A3 - Liver and kidney dam

- OEL Type: National - TWA: 15 mg/m³, 3 ppm - Notes: France

- OEL Type: National - TWA(8h): 2 mg/m³, 0.46 ppm - Notes: Netherlands

- OEL Type: National - TWA(8h): 2 mg/m³, 0.46 ppm - Notes: Belgium

- OEL Type: National - TWA: 0.2 ppm - Notes: DOW IHG, skin

TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS: 64-02-8

- OEL Type: National - TWA: 10 mg/m³ - Notes: poussiere, France, base : FR VLE

- OEL Type: National - TWA: 5 mg/m³ - Notes: poussiere, fraction alveolaire, base : FR VLE

- OEL Type: National - TWA: 10.5 mg/m³ - Notes: poussiere totale, base : FR VLE

DNEL Exposure Limit Values

2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2

Worker Industry: 1 mg/m³ - Consumer: 0.25 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 0.13 mg/kg - Consumer: 0.07 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.06 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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Consumer: 33 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS: 64-02-8

Worker Industry: 1.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 2.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 2.8 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 1.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 2.5 mg/m³ - Consumer: 25 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term (repeated)

PNEC Exposure Limit Values

2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2

Target: Fresh Water - Value: 0.0022 mg/l

Target: Marine water - Value: 0.00022 mg/l

Target: Freshwater sediments - Value: 0.019 mg/kg

Target: Marine water sediments - Value: 0.0019 mg/kg

Target: Soil (agricultural) - Value: 0.00108 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Sporadic discharge - Value: 0.022 mg/l

TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS: 64-02-8

Target: Fresh Water - Value: 2.2 mg/l

Target: Marine water - Value: 0.22 mg/l

Target: Soil (agricultural) - Value: 0.937 mg/kg

Target: Microorganisms in sewage treatments - Value: 43 mg/l

Target: Soil (agricultural) - Value: 0.72 mg/kg - Notes:: eau douce

Target: PNEC intermittent - Value: 1.6 mg/l

Appropriate engineering controls:

None

Individual protection measures**Eye protection:**

Safety goggles (EN 166)

Face protection shield. (EN 166)

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:

Suitable gloves type: NF EN374

NR (natural rubber, natural latex).

NBR (nitrile rubber).

PVA (Polyvinyl alcohol).

PVC (polyvinyl chloride).

Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

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9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	CLEAR YELLOW	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	10	ISO 4316, ASTM E70	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	100 °C	--	water base
Flash Point (°F):	N.A.	--	--
Flash point (°C):	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.07	ISO 649, ASTM D1298	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	>170°C	--	--
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.

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Incompatible materials
None in particular.
Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 1600 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 12.970 mg/kg

Test: LC0 - Route: Inhalation - Species: Rat = 0.2 mg/l - Duration: 8h

f) carcinogenicity:

Test: NOAEL - Route: Skin - Species: Rat = 32 MGKGBWDAY - Notes: 103 weeks,
LOAEL = 40 mg/kg bw/jour

g) reproductive toxicity:

Test: NOAEC - Species: Rat = 300 MGKGBWDAY - Notes: daily weeks, fertility

Test: NOAEC - Species: Rat = 150 MGKGBWDAY - Notes: 6-15 days, development

Test: NOAEL - Species: Rat = 50 mg/l - Notes: 6-15 days, development

TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS: 64-02-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1780 mg/kg - Duration: 4h

Test: LC50 - Route: Inhalation - Species: Rat > 1 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation - Species: Rat < 5 mg/l - Duration: 4h

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

None.

Substance(s) listed on the IARC Monographs:

2,2'-IMINODIETHANOL; DIETHANOLAMINE - Group 2B.

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.

2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1460 mg/l - Duration h: 96 - Notes: Pimephales
promelas

Endpoint: EC50 - Species: Daphnia = 55 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.2 mg/l - Duration h: 96 - Notes:

Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Daphnia = 0.78 mg/l - Duration h: 504 - Notes: LOEC : 1,56
mg/l

Endpoint: EC10 - Species: Microorganisms > 1000 mg/l - Duration h: 0.5

TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS: 64-02-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Lepomis
macrochiirus

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Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus obliquus
Endpoint: LC50 = 156 mg/kg - Notes: 14J, ver de terre

b) Aquatic chronic toxicity:
Endpoint: NOAEL - Species: Fish = 36.9 mg/l - Notes: 35J, NOEL(C)
Endpoint: NOAEL - Species: Daphnia = 25 mg/l - Notes: 21J, NOEL(C)

c) Bacteria toxicity:
Endpoint: EC20 - Species: bacteria = 500 mg/l - Duration h: 0.5

Persistence and degradability
2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2
Biodegradability: Biodegradability rate - Test: OECD 301F - Duration: 28 days - %: 93 - Notes: N.A.
TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS: 64-02-8
Biodegradability: Non-readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

Bioaccumulative potential
2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2
Log Pow - Test: N.A. -2.18 - Duration: N.A. - Notes: N.A.

Mobility in soil
2,2'-IMINODIETHANOL; DIETHANOLAMINE - CAS: 111-42-2
Log Koc - Test: N.A. 0 or -1.1472 - Duration: N.A. - Notes: N.A.
Volality (H: Henry's Law Constant) - Test: N.A. 0.000004 Pa.m³/mol - Duration: N.A. - Notes: 25°C

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
Not classified as dangerous in the meaning of 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 are listed on the TSCA inventory.

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TSCA listed substances:

2,2'-IMINODIETHANOL; DIETHANOLAMINE is listed in TSCA Section 8b, Section 8d HSDR

isononanoic acid, compound with 2,2',2''-nitritotriethanol (1:1) is listed in TSCA Section 8b

TETRASODIUM ETHYLENEDIAMINETETRAACETATE is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 - Hazardous substances: 2,2'-IMINODIETHANOL; DIETHANOLAMINE.

Section 313 - Toxic chemical list: 2,2'-IMINODIETHANOL; DIETHANOLAMINE.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: 2,2'-IMINODIETHANOL; DIETHANOLAMINE -

Reportable quantity: 100 pounds.

Reportable quantity for mixture: 823.2078765 pounds.

CAA - Clean Air Act

CAA listed substances:

2,2'-IMINODIETHANOL; DIETHANOLAMINE is listed in CAA Section 111, Section 112(b) - HAP, 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:

2,2'-IMINODIETHANOL; DIETHANOLAMINE - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

2,2'-IMINODIETHANOL; DIETHANOLAMINE.

New Jersey Right to know

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

2,2'-IMINODIETHANOL; DIETHANOLAMINE.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2,2'-IMINODIETHANOL; DIETHANOLAMINE.

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:

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

H315 Causes skin irritation.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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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.

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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