

**Safety Data Sheet  
HDL 73W - P43440**

Safety Data Sheet dated 9/14/2018, version 1

**1. IDENTIFICATION**

Product identifier

Mixture identification:

Trade name: HDL 73W

Other means of identification:

SDS code: P43440

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.



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



Warning, STOT SE 3, May cause respiratory irritation.

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Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water/...

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.

P312 Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation 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.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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.

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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:

>= 20% - < 25% TRIAMMONIUM CITRATE

CAS: 3458-72-8, EC: 222-394-5



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



A.8/3 STOT SE 3 H335




A.2/2 Skin Irrit. 2 H315

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>= 3% - < 5% SODIUM XYLENESULPHONATE

REACH No.: 01-2119513350-56, CAS: 1300-72-7, EC: 215-090-9

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

>= 1% - < 3% CITRIC ACID

CAS: 77-92-9, EC: 201-069-1

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

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**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 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:

In case of inhalation, consult a doctor immediately and show him packing or label.

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.

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**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

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.

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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.

Use localized ventilation system.

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 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

No occupational exposure limit available

DNEL Exposure Limit Values

SODIUM XYLENESULPHONATE - CAS: 1300-72-7

Worker Professional: 7.6 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 53.6 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 3.8 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 13.2 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 3.8 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

SODIUM XYLENESULPHONATE - CAS: 1300-72-7

Target: Fresh Water - Value: 0.23 mg/l

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

Target: PNEC intermittent - Value: 2.3 mg/l

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CITRIC ACID - CAS: 77-92-9

Target: Fresh Water - Value: 440 mg/l

Target: Freshwater sediments - Value: 34.6 mg/kg

Target: Marine water sediments - Value: 3.46 mg/kg

Target: Soil (agricultural) - Value: 33.1 mg/kg

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Safety goggles (EN 166)

Use close fitting safety goggles, don't use eye lens.

Face protection shield.

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).

PVC (polyvinyl chloride).

Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Thermal Hazards:

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	CLEAR TO HAZY AMBER YELLOW	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	6.1	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:	1.16	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--

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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.	--	--

#### 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:

N.A.

#### Toxicological information of the main substances found in the product:

SODIUM XYLENESULPHONATE - CAS: 1300-72-7

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 6.41 mg/l - Duration: 4h

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

Test: LD50 - Route: Oral - Species: Rat > 7200 mg/kg

##### g) reproductive toxicity:

Test: NOAEL - Species: Rat > 936 mg/kg

CITRIC ACID - CAS: 77-92-9

##### a) acute toxicity:

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

Test: LD50 - Route: Oral - Species: Mouse = 5400 mg/kg

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

Test: LD50 - Route: Inhalation - Species: Rat = 725 mg/kg

Test: LD50 - Route: Inhalation - Species: Mouse = 940 mg/kg

##### i) STOT-repeated exposure:

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Test: NOAEL - Route: Oral - Species: Rat = 1200 mg/kg - Notes: mg/kg/day, etude de toxicite chronique 2 ans

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.

SODIUM XYLENESULPHONATE - CAS: 1300-72-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 230 mg/l - Duration h: 96 - Notes: Algues

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 31 mg/l - Duration h: 96

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1000 mg/l - Duration h: 3

CITRIC ACID - CAS: 77-92-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 1535 mg/l - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish = 440 mg/l - Notes: Leuciscus idus

Endpoint: EC50 - Species: Daphnia = 120 mg/l

b) Aquatic chronic toxicity:

Endpoint: EC0 - Species: Algae = 425 mg/l - Notes: Scenedesmus quadricauda

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 10000 mg/l - Notes: Pseudomonas putida

### Persistence and degradability

TRIAMMONIUM CITRATE - CAS: 3458-72-8

Biodegradability: Biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

CITRIC ACID - CAS: 77-92-9

Biodegradability: Readily biodegradable - Test: N.A. - Duration: 28 days - %: 97 - Notes: OCDE, 301B

Biodegradability: Readily biodegradable - Test: N.A. - Duration: 19 days - %: 100 - Notes: OCDE, 301E

Biodegradability: Biological oxygen demand (BOD) - Test: N.A. - Duration: N.A. - %: N.A. - Notes: 526 mg/g

Biodegradability: Chemical Oxygen Demand (COD) - Test: N.A. - Duration: N.A. - %: N.A. - Notes: 725 mg/g

### Bioaccumulative potential

N.A.

### Mobility in soil

TRIAMMONIUM CITRATE - CAS: 3458-72-8

low-polluting - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

### Other adverse effects

No harmful effects expected.

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#### 13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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#### 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.

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#### 15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

TRIAMMONIUM CITRATE is listed in TSCA Section 8b

SODIUM XYLENESULPHONATE is listed in TSCA Section 8b

CITRIC ACID 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: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

CITRIC ACID is listed in CAA Section 111.

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:

No substances listed.

New Jersey Right to know

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

No substances listed.



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#### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

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:

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

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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

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