

**Safety Data Sheet**  
**1214 - P42424-NA**

Safety Data Sheet dated 6/6/2019, version 3

**1. IDENTIFICATION****Product identifier**

Mixture identification:  
Trade name: 1214  
Other means of identification:  
MSDS code: P42424-NA

**Recommended use of the chemical and restrictions on use**

Recommended use:  
Professional uses  
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: 817-335-2405  
Distributor: 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 26  
Distributor: Socomore Ltd - 5, Coe Avenue - Loughborough - Leicestershire - LE11 4SE - UK  
- Tel: +44 1509 262040 - Fax: +44 1509 262046  
Distributor: Socomore Iberia - Calle Diputacio, 260 - 08007 Barcelona - Espana - Tel: +34 917  
693 962 - Fax: +34 902 908 966  
Distributor: MagChem Inc. 1271, rue Ampere, suite 101, Boucherville, QC, J4B 5Z5 Canada -  
Tel: 1-450 641 8500 - Fax: 1-450 655 1717  
Distributor: 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 16  
Distributor: Socomore Trading Shangai - 355 East Kang Qiao Road - Kang Qiao Industrial  
Zone - Pudong - 201315 Shangai - Tel: 862158131133 - Fax: 862158131933  
Dystrybutor : 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: I+1-813-248-0585 (International); 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.

## Safety Data Sheet

### 1214 - P42424-NA

#### Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

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.

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.

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:

>= 20% - < 25% 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0



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



A.2/2 Skin Irrit. 2 H315



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



A.1/4/Dermal Acute Tox. 4 H312




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

## Safety Data Sheet

### 1214 - P42424-NA

>= 10% - < 12.5% N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone  
Index number: 606-021-00-7, CAS: 872-50-4, EC: 212-828-1

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

 A.8/3 STOT SE 3 H335

 A.2/2 Skin Irrit. 2 H315

---

#### 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:

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 (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.

## Safety Data Sheet

### 1214 - P42424-NA

---

#### 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.

---

#### 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:
  - See section 10.5
- Instructions as regards storage premises:
  - Adequately ventilated premises.
- Storage temperature:
  - Store at ambient temperature.

---

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Control parameters

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
  - OEL Type: National - TWA(8h): 9.8 mg/m<sup>3</sup>, 2 ppm - STEL: 147.6 mg/m<sup>3</sup>, 30 ppm - Notes: France VLEC (Fabricant)
  - OEL Type: EU - TWA(8h): 98 mg/m<sup>3</sup>, 20 ppm - STEL: 246 mg/m<sup>3</sup>, 50 ppm - Notes: Skin
  - OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr
  - OEL Type: National - TWA: 49 mg/m<sup>3</sup>, 10 ppm - STEL: 246 mg/m<sup>3</sup>, 50 ppm - Notes: France VLEC (INRS)
- N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - CAS: 872-50-4
  - OEL Type: EU - TWA(8h): 40 mg/m<sup>3</sup>, 10 ppm - STEL: 80 mg/m<sup>3</sup>, 20 ppm - Notes: Skin

##### DNEL Exposure Limit Values

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
  - Worker Industry: 89 mg/kg bw/day - Exposure: Human Dermal - Frequency: Short Term, systemic effects
  - Worker Industry: 75 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
  - Worker Industry: 246 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects
  - Worker Industry: 663 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
  - Worker Industry: 98 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

## Safety Data Sheet

### 1214 - P42424-NA

#### PNEC Exposure Limit Values

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Target: Fresh Water - Value: 8.8 mg/l

Target: Marine water - Value: 0.88 mg/l

Target: Freshwater sediments - Value: 34.6 mg/kg

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

Target: Soil (agricultural) - Value: 3.13 mg/kg

Target: Microorganisms in sewage treatments - Value: 463 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:

Not needed for normal use.

Thermal Hazards:

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	Clear Colourless liquid	--	--
Odour:	Not Relevant	--	--
Odour threshold:	Not Relevant	--	--
pH:	9	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	100 114 202 °C / 213 238 396°F	--	--
Flash Point (°F):	N.A.	--	--
Flash point (°C):	Not Relevant	--	--
Evaporation rate:	0.201	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	1	--	--
Vapour pressure:	16.4	--	--
Vapour density:	0.882	--	--
Relative density:	1.04@20°C/68°F	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--

## Safety Data Sheet

### 1214 - P42424-NA

Auto-ignition temperature:	343 °C / 650 °F	--	--
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:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1480 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 400 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat < 2.39 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation - Species: Rat > 2.21 mg/l - Duration: 4h

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

None.

### Substance(s) listed on the IARC Monographs:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - Group 3.

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

None.

### Substance(s) listed as NIOSH Carcinogen(s):

None.

## Safety Data Sheet

### 1214 - P42424-NA

---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.  
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 24 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 53 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 61 mg/l - Duration h: 48 - Notes:

Pseudokirchneriella subcapitata

#### c) Bacteria toxicity:

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

### Persistence and degradability

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Biodegradability: Biodegradability rate - Duration: 28 days - %: 87

### Bioaccumulative potential

N.A.

### Mobility in soil

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Log Koc 2.5

### Other adverse effects

No harmful effects expected.

---

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment and disposal methods

Recover if possible. 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.

The product is transported in conditions that comply with exemption criteria for ADR transport.

### 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 or are not required to be listed on the TSCA.

## Safety Data Sheet

### 1214 - P42424-NA

TSCA sections for substances listed in section 3:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in TSCA Section 8b, Section 8d HSDR

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone is listed in TSCA Section 8b, Section 6.

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: N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in CAA Section 111

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone 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:

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - Listed as reproductive toxicant.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone.

New Jersey Right to know

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

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone.

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:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.



## Safety Data Sheet

### 1214 - P42424-NA

Safety Data Sheet dated 6/6/2019, version 3

**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