

Safety Data Sheet
PROPACO AP2 - P19370-NA

Safety Data Sheet dated 9/14/2018, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: PROPACO AP2

Other means of identification:

SDS code: P19370-NA

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial uses

Paint/Coating

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



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

Label elements

Hazard pictograms:



Danger

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Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

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

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/...

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:

>= 3% - < 5% 2-METHYLPROPAN-1-OL; ISO-BUTANOL

REACH No.: 01-2119484609-23, Index number: 603-108-00-1, CAS: 78-83-1, EC: 201-148-0

 B.6/3 Flam. Liq. 3 H226

 A.8/3 STOT SE 3 H335

 A.2/2 Skin Irrit. 2 H315

 A.3/1 Eye Dam. 1 H318

 A.8/3 STOT SE 3 H336

>= 1% - < 3% 1-methoxy-2-propanol; monopropylene glycol methyl ether

REACH No.: 01-2119457435-35, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1

 B.6/3 Flam. Liq. 3 H226

 A.8/3 STOT SE 3 H336

4. FIRST-AID MEASURES

Description of necessary measures**In case of skin contact:**

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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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.

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.

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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-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

- OEL Type: ACGIH - TWA(8h): 150 mg/m³, 50 ppm - Notes: Skin and eye irr
- OEL Type: National - TWA: 150 mg/m³, 50 ppm - Notes: INRS, indicative limit
- OEL Type: National - TWA: 50 ppm - STEL: 75 ppm - Notes: DOW IHG
- OEL Type: National - TWA: 154 mg/m³, 50 ppm - STEL: 231 mg/m³, 75 ppm - Notes: WEL, Great Britain
- OEL Type: National - TWA: 310 mg/m³, 100 ppm - Notes: TRGS 900, AGW (Germany)

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

- OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Notes: France VLEC - INRS TMP N2 84
- OEL Type: National - TWA: 370 mg/m³, 100 ppm - Notes: GERMAN
- OEL Type: National - TWA: 180 mg/m³ - STEL: 360 mg/m³ - Notes: POLAND
- OEL Type: EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr

DNEL Exposure Limit Values

2-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

- Worker Industry: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Worker Industry: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
- Consumer: 25 mg/kg - Exposure: Human Oral

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

- Worker Industry: 369 mg/m³ - Consumer: 43.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Worker Industry: 50.6 mg/kg bw/day - Consumer: 18.1 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- Consumer: 3.3 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
- Worker Industry: 553.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)

PNEC Exposure Limit Values

2-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

- Target: Fresh Water - Value: 0.4 mg/l
- Target: Marine water - Value: 0.04 mg/l
- Target: Marine water sediments - Value: 1.52 mg/kg
- Target: Freshwater sediments - Value: 0.152 mg/kg
- Target: Microorganisms in sewage treatments - Value: 10 mg/l

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Target: Soil (agricultural) - Value: 0.0699 mg/kg
 Target: Water (intermittent discharge) - Value: 11 mg/l
 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
 Target: Fresh Water - Value: 10 mg/l
 Target: Freshwater sediments - Value: 41.6 mg/kg
 Target: Marine water sediments - Value: 4.17 mg/kg
 Target: Soil (agricultural) - Value: 2.47 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Marine water - Value: 1 mg/l
 Target: Water (intermittent discharge) - Value: 100 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:	YELLOW LIQUID	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	6.9	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash Point (°F):	N.A.	--	--
Flash point (°C):	100 °C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.06	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition	N.A.	--	--

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temperature:			
Viscosity:	80 CPS	--	--
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-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2830 mg/kg

Test: LD50 - Route: Oral - Species: Rat < 3350 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 18.18 mg/l

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

Test: LD50 - Route: Skin - Species: Rabbit < 2460 mg/kg

Test: LC0 - Route: Inhalation - Species: Rat = 18.2 mg/m³ - Duration: 6 hours

h) STOT-single exposure:

Route: Inhalation 10 ppm

i) STOT-repeated exposure:

Test: NOAEL - Route: Inhalation - Species: Rat = 7.5 mg/l - Notes: 2500 ppm

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) acute toxicity:

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

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

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

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

None.

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Substance(s) listed on the IARC Monographs:

None.

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-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1.430 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Algae = 632 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae = 53 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Daphnia = 1.100 mg/l - Duration h: 48

Endpoint: EC0 - Species: Algae = 350 mg/l

Endpoint: EC0 - Species: Fish = 280 mg/l - Notes: Pseudomonas putida

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 20 mg/l - Duration h: 504

f) Effects in sewage plants (activated sludge):

Endpoint: IC50 - Species: Fish > 1000 mg/l - Duration h: 16

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Leuciscus idus, LC/EC/IC50

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Algae > 1000 mg/l - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Fish < 4600 mg/l - Duration h: 96 - Notes: Leuciscus idus

Persistence and degradability

2-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

Biodegradability: Biodegradability rate - Test: N.A. - Duration: 28 days - %: 70-80 - Notes: N.A.

Biodegradability: Biodegradation in water - Test: OECD 301C - Duration: 14 days - %: 90 - Notes: N.A.

Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation by OH radicals: Direct photolysis - Duration: 56 hours - %: N.A. - Notes: N.A.

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Biodegradability: Readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

Bioaccumulative potential

2-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

Almost non bioaccumulative - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

Log Kow - Test: OECD 107 0.79 - Duration: N.A. - Notes: N.A.

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Log Pow - Test: N.A. 0.37 - Duration: N.A. - Notes: N.A.

Mobility in soil

2-METHYLPROPAN-1-OL; ISO-BUTANOL - CAS: 78-83-1

Distribution between environmental compartments - Test: Mackay, level I 67.92 % - Duration: N.A. - Notes: Water

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Distribution between environmental compartments - Test: Mackay, level I 32.02 % -

Duration: N.A. - Notes: Air

Distribution between environmental compartments - Test: Mackay, level I 0.03 % -

Duration: N.A. - Notes: Soil

Distribution between environmental compartments - Test: Mackay, level I 0.03 % -

Duration: N.A. - Notes: Sediment

Surface tension - Test: N.A. 69.7 mN/m - Duration: N.A. - Notes: 20°C

Volatility (H: Henry's Law Constant) - Test: N.A. 1.01E+00 Pa.m³/mol - Duration: N.A. -

Notes: 25°C (calculated)

Log K_{oc} - Test: N.A. 0.31 - Duration: N.A. - Notes: (calculated)

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.

TSCA listed substances:

2-METHYLPROPAN-1-OL; ISO-BUTANOL is listed in TSCA Section 8b, Section 8d HSDR

1-methoxy-2-propanol; monopropylene glycol methyl ether is listed in TSCA Section 8b, Section 8d HSDR.

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 - Hazardous substances: 2-METHYLPROPAN-1-OL; ISO-BUTANOL.

Section 313 - Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: 2-METHYLPROPAN-1-OL; ISO-BUTANOL -

Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 125000 pounds.

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CAA - Clean Air Act

CAA listed substances:

2-METHYLPROPAN-1-OL; ISO-BUTANOL is listed in CAA Section 111

1-methoxy-2-propanol; monopropylene glycol methyl ether is listed in CAA 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:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

2-METHYLPROPAN-1-OL; ISO-BUTANOL

1-methoxy-2-propanol; monopropylene glycol methyl ether.

New Jersey Right to know

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

2-METHYLPROPAN-1-OL; ISO-BUTANOL

1-methoxy-2-propanol; monopropylene glycol methyl ether.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2-METHYLPROPAN-1-OL; ISO-BUTANOL

1-methoxy-2-propanol; monopropylene glycol methyl ether.

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:

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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.

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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