

Safety Data Sheet
H-901A

Safety Data Sheet dated 5/12/2021, version 3

1. IDENTIFICATION**Product identifier**

Mixture identification:
Trade name: H-901A
Other means of identification:
SDS code: P28214-NA

Recommended use of the chemical and restrictions on use

Recommended use:
Solvent
Industrial uses
Professional uses
Restrictions on use:
No uses advised against are identified.

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

Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 /
csr-na@socomore.com/ Fax Number: 817-335-2405

Distributors:

Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 /
csr-na@socomore.com/ Fax Number: 817-335-2405
Socomore Canada Limited - Unit 204, 6741 Cariboo Road, Burnaby V3N 4A3, British
Columbia, Canada / Email: csr-ca@socomore.com / Phone: +1 604 420 7707 / Fax: +1 604
420 7701








Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

Emergency phone number:

CHEMTEL: 1+1-813-248-0585 (International); 1-800-255-3924 (USA); CANUTEC:
1-613-996-6666 (CANADA)

2. HAZARD(S) IDENTIFICATION**Classification of the chemical**

-  Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Repr. 2, Suspected of damaging fertility or the unborn child if inhaled.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.
-  Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure if inhaled.
-  Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Safety Data Sheet
H-901A

Label elements

Hazard pictograms:



Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H361 Suspected of damaging fertility or the unborn child if inhaled.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
- H304 May be fatal if swallowed and enters airways.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P240 Ground container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe vapours.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash ... Thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves and eye/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.
- P302+P352 IF ON SKIN: Wash with plenty of water/...
- 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.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see ... On this label).
- P331 Do NOT induce vomiting.
- 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.
- P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- 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.

Safety Data Sheet

H-901A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 25% - < 30% toluene

REACH No.: 01-2119471310-51, Index number: 601-021-00-3, CAS: 108-88-3, EC: 203-625-9

 B.6/2 Flam. Liq. 2 H225

 A.7/2 Repr. 2 H361

 A.10/1 Asp. Tox. 1 H304

 A.9/2 STOT RE 2 H373

 A.2/2 Skin Irrit. 2 H315

 A.8/3 STOT SE 3 H336

>= 20% - < 25% Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from the distillation of crude o

CAS: 64742-89-8

 A.10/1 Asp. Tox. 1 H304

>= 20% - < 25% ethyl acetate

REACH No.: 01-2119475103-46, Index number: 607-022-00-5, CAS: 141-78-6, EC: 205-500-4

 B.6/2 Flam. Liq. 2 H225

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

 A.8/3 STOT SE 3 H336

>= 10% - < 12.5% butanone; ethyl methyl ketone

REACH No.: 01-2119457290-43, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0

 A.2/2 Skin Irrit. 2 H315

 B.6/2 Flam. Liq. 2 H225

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

 A.8/3 STOT SE 3 H336

Safety Data Sheet

H-901A

>= 10% - < 12.5% acetone; propan-2-one; propanone

REACH No.: 01-2119471330-49, Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2

 B.6/2 Flam. Liq. 2 H225

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

 A.8/3 STOT SE 3 H336

>= 10% - < 12.5% propan-2-ol; isopropyl alcohol; isopropanol

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

 B.6/2 Flam. Liq. 2 H225

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

 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.

Remove contaminated clothing immediately and dispose of 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:

If breathing is irregular or stopped, administer artificial respiration.

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use a CO2 fire extinguisher 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.

Safety Data Sheet

H-901A

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.

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.

Exercise the greatest care when handling or opening the container.

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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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.

Avoid accumulating electrostatic charge.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

toluene - CAS: 108-88-3

- OEL Type: National - TWA(8h): 190 mg/m³ - Notes: Germany - DFG, H, Y

- OEL Type: National - TWA(8h): 76.8 mg/m³, 20 ppm - STEL: 384 mg/m³, 100 ppm -

Notes: France VLEC - TMP N? 4bis, 84

Safety Data Sheet

H-901A

- OEL Type: EU - TWA(8h): 192 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: Skin
- OEL Type: National - TWA: 191 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: UK (WELs)
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss
- OEL Type: National - TWA: 190 mg/m³, 50 ppm - STEL(15min (Miw)): 380 mg/m³, 100 ppm - Notes: Osterreich
- ethyl acetate - CAS: 141-78-6
 - OEL Type: ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr
 - OEL Type: EU - TWA(8h): 734 mg/m³, 200 ppm - STEL: 1468 mg/m³, 400 ppm
 - OEL Type: National - TWA(8h): 550 mg/m³, 150 ppm - STEL: 1100 mg/m³, 300 ppm
 - Notes: Netherlands
 - OEL Type: National - TWA(8h): 1461 mg/m³, 400 ppm - Notes: Belgium
 - OEL Type: National - TWA(8h): 1500 mg/m³, 400 ppm - Notes: Germany
 - OEL Type: National - TWA(8h): 1400 mg/m³, 400 ppm - Notes: France
 - OEL Type: National - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: UK
- butanone; ethyl methyl ketone - CAS: 78-93-3
 - OEL Type: National - TWA: 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm - Notes: France VLEC
 - OEL Type: EU - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm
 - OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair
 - OEL Type: National - TWA: 600 mg/m³, 200 ppm - Notes: AGW, Germany
 - OEL Type: MAK - TWA: 295 mg/m³, 100 ppm - STEL(30min (Miw)): 590 mg/m³, 200 ppm - Notes: Osterreich
- acetone; propan-2-one; propanone - CAS: 67-64-1
 - OEL Type: National - TWA(8h): 1200 mg/m³ - Notes: Germany - Notes DFG
 - OEL Type: National - TWA(8h): 1210 mg/m³, 500 ppm - STEL: 2420 mg/m³, 1000 ppm - Notes: France VLEC - TMP N? 84
 - OEL Type: EU - TWA(8h): 1210 mg/m³, 500 ppm
 - OEL Type: ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
 - OEL Type: National - TWA: 1200 mg/m³, 500 ppm - STEL(15'): 4800 mg/m³, 2000 ppm - Notes: Osterreich
 - OEL Type: National - TWA(8h): 1210 mg/m³, 500 ppm - STEL(): 3620 mg/m³, 1500 ppm - Notes: United Kingdom
- propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 - OEL Type: National - STEL: 980 mg/m³, 400 ppm - Notes: France
 - OEL Type: National - TWA: 500 mg/m³, 200 ppm - Notes: DFG, Y - Germany
 - OEL Type: National - TWA: 999 mg/m³, 400 ppm - STEL: 1250 mg/m³, 500 ppm - Notes: United Kingdom
 - OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
 - OEL Type: National - TWA: 999 mg/m³, 400 ppm - STEL: 1250 mg/m³, 500 ppm
 - OEL Type: OSHA PEL - TWA: 980 mg/m³, 400 ppm
 - OEL Type: NIOSH REL - TWA: 980 mg/m³, 400 ppm - STEL: 1225 mg/m³, 500 ppm
 - OEL Type: National - TWA: 500 mg/m³, 200 ppm - STEL(30min (Miw)): 1960 mg/m³, 800 ppm - Notes: Osterreich

DNEL Exposure Limit Values

- toluene - CAS: 108-88-3
 - Worker Professional: 384 mg/m³
 - Worker Professional: 192 mg/m³
 - Worker Professional: 180 mg/m³
- ethyl acetate - CAS: 141-78-6

Safety Data Sheet

H-901A

Worker Professional: 1468 mg/m³ - Consumer: 734 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Professional: 1468 mg/m³ - Consumer: 734 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Professional: 63 mg/kg b.w./day - Consumer: 37 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Professional: 734 mg/m³ - Consumer: 367 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Professional: 734 mg/m³ - Consumer: 4.5 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, local effects

butanone; ethyl methyl ketone - CAS: 78-93-3
 Worker Industry: 1161 mg/kg - Consumer: 412 mg/kg - Exposure: Human Dermal - Frequency: Short Term (acute) - Notes: 1 day
 Worker Industry: 600 mg/m³ - Consumer: 106 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
 Consumer: 31 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)

acetone; propan-2-one; propanone - CAS: 67-64-1
 Worker Industry: 2420 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects - Notes: 1h
 Worker Industry: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal - Frequency: Short Term (acute) - Notes: 8h for workers, 24h for consumer
 Worker Industry: 1210 mg/m³ - Consumer: 200 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute) - Notes: 24h for consumer
 Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)
 Worker Industry: 500 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 500 mg/kg - Consumer: 89 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

ethyl acetate - CAS: 141-78-6
 Target: Fresh Water - Value: 0.26 mg/l
 Target: Marine water - Value: 0.026 mg/l
 Target: Freshwater sediments - Value: 1.25 mg/kg
 Target: Marine water sediments - Value: 0.125 mg/kg
 Target: Soil (agricultural) - Value: 0.24 mg/kg
 Target: Microorganisms in sewage treatments - Value: 650 mg/l

butanone; ethyl methyl ketone - CAS: 78-93-3
 Target: Fresh Water - Value: 55.8 mg/l
 Target: Marine water - Value: 55.8 mg/l
 Target: Freshwater sediments - Value: 284.74 mg/kg
 Target: Marine water sediments - Value: 287.7 mg/kg
 Target: Soil (agricultural) - Value: 22.5 mg/kg

acetone; propan-2-one; propanone - CAS: 67-64-1
 Target: Fresh Water - Value: 10.6 mg/l
 Target: Marine water - Value: 1.06 mg/l
 Target: Freshwater sediments - Value: 30.4 mg/kg
 Target: Marine water sediments - Value: 3.04 mg/kg
 Target: Soil - Value: 29.5 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Water (intermittent discharge) - Value: 21 mg/l

Safety Data Sheet

H-901A

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/l

Target: Marine water - 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: Microorganisms in sewage treatments - Value: 2251 mg/l

Target: Water (intermittent discharge) - Value: 140.9 mg/l

Target: Oral (secondary poisoning) (foodstuff) - Value: 160 mg/kg

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	CLEAR HOMOGENEOUS LIQUID	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	56 98 143°C / 133 210 290 °F	--	--
Flash Point (°F):	2°F (TCC)	--	--
Flash point (°C):	-16 °C (TCC)	--	--
Evaporation rate:	< 1	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	2.6	--	--
Vapour pressure:	36 (mm of Hg @ 20 C)	--	--
Vapour density:	2,9		
Relative density:	0.826 @ 68 °F / 20 C (Water = 1)	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	287 °C / 550°F	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

Safety Data Sheet

H-901A

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

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

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:

toluene - CAS: 108-88-3

Acute toxicity:

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

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

ethyl acetate - CAS: 141-78-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 4100 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 20000 MGKGBWDAY

Test: LC50 - Route: Inhalation - Species: Rat > 22.5 mg/l - Notes: 6h

Reproductive toxicity:

Test: NOAEC - Species: Rat = 73300 mg/m3 - Duration: 1-19 days - Source: OECD 414 - Notes: Histopathologic modification

butanone; ethyl methyl ketone - CAS: 78-93-3

Acute toxicity:

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

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

Test: LC50 - Route: Inhalation > 5000 ppm

acetone; propan-2-one; propanone - CAS: 67-64-1

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 15800 mg/kg

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Acute toxicity:

Safety Data Sheet

H-901A

Test: LD50 - Route: Oral - Species: Rat = 4570 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 8h
 Test: LD50 - Route: Skin - Species: Rabbit = 12.800 mg/kg

Reproductive toxicity:

Test: NOAEL - Route: Oral - Species: Rat = 500 mg/kg

STOT-repeated exposure:

Test: NOAEL - Route: Inhalation - Species: Rat = 1.3 mg/l

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

toluene.

Substance(s) listed on the IARC Monographs:

toluene - Group 3

propan-2-ol; isopropyl alcohol; isopropanol - Group 3.

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

toluene.

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

toluene.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: LL50

- Species: Fish > 1 mg/l - Notes: LL/EL/IL50

Endpoint: LL50

- Species: Daphnia > 1 mg/l - Notes: LL/EL/IL50

Endpoint: LL50

- Species: Algae > 1 mg/l - Notes: LL/EL/IL50

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1 mg/l

c) Bacteria toxicity:

Endpoint: LL50

- Species: bacteria > 100 mg/l - Notes: LL/EL/IL50

ethyl acetate - CAS: 141-78-6

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Algae > 1000 mg/l - Duration h: 48 - Notes: Scenedesmus pannonicus

Endpoint: EC50 - Species: Daphnia = 165 mg/l - Duration h: 48

Endpoint: LC50 = 180 mg/l - Duration h: 48 - Notes: Xenopus laevis

Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96 - Notes: Pimephales

promelas

Endpoint: LC50 - Species: Algae = 5600 mg/l - Duration h: 48 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish < 9.65 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: NOEC - Species: Daphnia = 2.4 mg/l - Duration h: 504

butanone; ethyl methyl ketone - CAS: 78-93-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 13 mg/l - Duration h: 48

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

Safety Data Sheet

H-901A

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 168 - Notes: Desmodesmus subspicatus

acetone; propan-2-one; propanone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Salmo gairdneri

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96 - Notes:

Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae = 430 mg/l - Duration h: 96 - Notes: Prorocentrum minimum, marine water

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 2212 mg/l - Duration h: 672 - Notes: Daphnia pulex

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 48 - Notes: Leuciscus melanotus

Endpoint: LC50 - Species: Daphnia > 10.000 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: NOEC - Species: Algae = 1800 mg/l

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 100 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Species: bacteria = 1.050 mg/l

Persistence and degradability

ethyl acetate - CAS: 141-78-6

Biodegradability: Biodegradability rate - Duration: 20 days - %: 69

butanone; ethyl methyl ketone - CAS: 78-93-3

Biodegradability: Readily biodegradable - Duration: 28 days - %: 98 - Notes: aerobic

acetone; propan-2-one; propanone - CAS: 67-64-1

Biodegradability: Readily biodegradable - Duration: 28 days - %: 91

Biodegradability: Chemical Oxygen Demand (COD) - Notes: 2,21 g O₂/g matiere

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Duration: 5 days - %: 53 - Notes: Aerobie, activated sludge

Biodegradability: Oxidizes rapidly by photochemical reactions in air.

Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation by

OH radicals - Direct photolysis - Duration: 33 hours

Bioaccumulative potential

ethyl acetate - CAS: 141-78-6

BCF - Test: BCF - Bioconcentration factor 30 - Duration: 3 days - Notes: Leuciscus Idus

Log Pow 0.68 - Notes: 25°C

butanone; ethyl methyl ketone - CAS: 78-93-3

Log Pow 0.3

Log Kow 0.3

acetone; propan-2-one; propanone - CAS: 67-64-1

BCF 3

Log Pow - 0.24 - Notes: 20 °C

Log Kow 0.17 - Notes: 20 °C

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Estimated not significantly bioaccumulative.

Safety Data Sheet
H-901A

Log Pow <=4
Log Kow 0.05 - Notes: 25°C

Mobility in soil

ethyl acetate - CAS: 141-78-6

Log P_{oc} 8.6%

acetone; propan-2-one; propanone - CAS: 67-64-1

Volatility (H: Henry's Law Constant) 2929-3070 Pa.m³/mol - Notes: 25 °C (low volatility)

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

ADR-UN Number: 1263

DOT number: UN1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL

DOT-Shipping Name: Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base or Paint related material including paint thinning, drying, removing, or reducing compound

IATA-Shipping Name: PAINT RELATED MATERIAL

IMDG-Shipping Name: PAINT RELATED MATERIAL

Transport hazard class(es)

ADR-Class: 3

DOT Hazard Class: 3

ADR - Hazard identification number: 33

IATA-Class: 3

IATA-Label: 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

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

DOT Special provisions: 149, B52, IB2, T4, TP1, TP8, T

Safety Data Sheet

H-901A

DOT Labels: 3
 ADR-Subsidiary hazards: -
 ADR-S.P.: 163 640C 650
 ADR-Transport category (Tunnel restriction code): (D/E)
 IATA-Passenger Aircraft: 353
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 364
 IATA-S.P.: A3 A72
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-E
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: -
 Q.L.: 5L
 Q.E.: E2

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.

TSCA sections for substances listed in section 3:

toluene is listed in TSCA Section 8a - CAIR, Section 8d HSDR, Section 8b
 Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from the distillation of crude oil is listed in TSCA Section 8b

ethyl acetate is listed in TSCA Section 8b

butanone; ethyl methyl ketone is listed in TSCA Section 8d HSDR, Section 8b

acetone; propan-2-one; propanone is listed in TSCA Section 8b

propan-2-ol; isopropyl alcohol; isopropanol is listed in TSCA Section 8d HSDR, Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: toluene, ethyl acetate, butanone; ethyl methyl ketone, acetone; propan-2-one; propanone.

Section 313 Toxic chemical list: toluene, propan-2-ol; isopropyl alcohol; isopropanol.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: toluene - Reportable quantity: 1000 pounds

ethyl acetate - Reportable quantity: 5000 pounds

butanone; ethyl methyl ketone - Reportable quantity: 5000 pounds

acetone; propan-2-one; propanone - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 4000 pounds.

CAA - Clean Air Act

CAA listed substances:

toluene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

ethyl acetate is listed in CAA Section 111

butanone; ethyl methyl ketone is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

acetone; propan-2-one; propanone is listed in CAA Section 111, Section 112(b) - HON

propan-2-ol; isopropyl alcohol; isopropanol is listed in CAA Section 111.

CWA - Clean Water Act

CWA listed substances:

toluene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants

Safety Data Sheet

H-901A

ethyl acetate is listed in CWA Section 304
acetone; propan-2-one; propanone is listed in CWA Section 304
propan-2-ol; isopropyl alcohol; isopropanol is listed in CWA Section 304.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

toluene - Listed as reproductive toxicant.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

toluene

ethyl acetate

butanone; ethyl methyl ketone

acetone; propan-2-one; propanone

propan-2-ol; isopropyl alcohol; isopropanol.

New Jersey Right to know

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

toluene

ethyl acetate

butanone; ethyl methyl ketone

acetone; propan-2-one; propanone

propan-2-ol; isopropyl alcohol; isopropanol.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

toluene

ethyl acetate

butanone; ethyl methyl ketone

acetone; propan-2-one; propanone

propan-2-ol; isopropyl alcohol; isopropanol.

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:

H225 Highly flammable liquid and vapour.

H361 Suspected of damaging fertility or the unborn child.

H304 May be fatal if swallowed and enters airways.

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H319 Causes serious eye irritation.

Safety Data Sheet dated 5/12/2021, 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.

Safety Data Sheet

H-901A

ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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