

Safety Data Sheet
DS-104

Safety Data Sheet dated 7/5/2021, version 2

1. IDENTIFICATION**Product identifier**

Mixture identification:
Trade name: DS-104
Other means of identification:
SDS code: P28293-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**

 Warning, Flam. Liq. 3, Flammable liquid and vapour.

 Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.

Safety Data Sheet
DS-104

P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 Rinse skin with water/shower.
 P331 Do NOT induce vomiting.
 P370+P378 In case of fire: Use ... to extinguish.
 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 25% - < 30% Isoparaffinic Hydrocarbon

CAS: 64742-48-9

B.6/4 Flam. Liq. 4 H227



A.10/1 Asp. Tox. 1 H304

>= 3% - < 5% n-butyl acetate

REACH No.: 01-2119485493-29, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1



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:

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

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

Safety Data Sheet

DS-104

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 ... 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.

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.

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.

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.

Safety Data Sheet

DS-104

Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Isoparaffinic Hydrocarbon - CAS: 64742-48-9

- OEL Type: OSHA PEL - TWA: 400 mg/m³, 100 ppm

n-butyl acetate - CAS: 123-86-4

- OEL Type: National - TWA: 710 mg/m³, 150 ppm - STEL: 940 mg/m³, 200 ppm -

Notes: France

- OEL Type: National - TWA: 150 ppm - STEL: 200 ppm - Notes: United Kingdom

- OEL Type: National - TWA(8h): 300 mg/m³, 62 ppm - Notes: Germany

- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

- OEL Type: National - TWA(8h): 723 mg/m³, 150 ppm - STEL: 964 mg/m³, 200 ppm -

Notes: BELGIQUE

- OEL Type: National - TWA(8h): 480 mg/m³, 99 ppm - Notes: PAYS-BAS

- OEL Type: National - TWA: 480 mg/m³, 100 ppm - STEL(Mow): 480 mg/m³, 100

ppm - Notes: Osterreich

- OEL Type: EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm -

Notes: -

DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Worker Professional: 11 mg/kg b.w./day - Consumer: 6 mg/kg b.w./day - Exposure:

Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Consumer: 2 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 11 mg/kg b.w./day - Consumer: 2 mg/kg b.w./day - Exposure:

Human Oral - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water sediments - Value: 0.0981 mg/kg

Target: Soil (agricultural) - Value: 0.0903 mg/kg

Target: Microorganisms in sewage treatments - Value: 35.6 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:

Safety Data Sheet

DS-104

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:	121 153 196 °C/250 308 385°F	--	--
Flash Point (°F):	115°F (TTC)	--	--
Flash point (°C):	41°C (TTC)	--	--
Evaporation rate:	<1	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	2	--	--
Vapour pressure:	3.5(mmHg@20°C)	--	--
Vapour density:	>1	--	--
Relative density:	0.89@20°C/68°F	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	250°C/500°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

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

Safety Data Sheet

DS-104

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:
N.A.

Toxicological information of the main substances found in the product:

n-butyl acetate - CAS: 123-86-4

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit = 14112 MGKGBWDAY

Test: LD50 - Route: Oral - Species: Rat = 10760 mg/kg

Test: LC50 - Route: Inhalation Dust - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Mist - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC0 - Route: Inhalation - Species: Rat = 23.4 mg/l - Duration: 4h - Source: OECD 403, in vivo, aerosol

Reproductive toxicity:

Test: NOAEC - Species: Rat = 3615 mg/m³

Test: LOAEC - Species: Rat = 7230 mg/m³ - Source: OECD

STOT-repeated exposure:

Test: NOAEL - Species: Rat = 500 ppm

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 647.7 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

Endpoint: NOEC - Species: Algae = 200 mg/l - Notes: Desmodesmus subspicatus

Endpoint: EC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 23 mg/l - Duration h: 504

Endpoint: IC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis

Persistence and degradability

n-butyl acetate - CAS: 123-86-4

Biodegradability: Biodegradability rate - Duration: 28 days - %: 83

Bioaccumulative potential

n-butyl acetate - CAS: 123-86-4

BCF 15.3

Log Kow 2.3 - Notes: 25 °C

Mobility in soil

n-butyl acetate - CAS: 123-86-4

Safety Data Sheet
DS-104

Log Koc 1.268

Volality (H: Henry's Law Constant) 28.5 Pa.m³/mol - 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

As defined in the general regulation 49 CFR 173.120(b), this product when shipped as non- bulk can be reclassified as not dangerous.



UN number

ADR-UN Number: UN1993
 DOT number: UN1993
 IATA-UN Number: UN1993
 IMDG-UN Number: UN1993

UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (2-methoxy-1-methylethyl acetate, n-butyl acetate)
 DOT-Shipping Name: Flammable liquids, n.o.s.(2-methoxy-1-methylethyl acetate, n-butyl acetate)
 IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S. (2-methoxy-1-methylethyl acetate, n-butyl acetate)
 IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (2-methoxy-1-methylethyl acetate, n-butyl acetate)

Transport hazard class(es)

ADR-Class: 3
 DOT Hazard Class: 3
 IATA-Class: 3
 IATA-Label: 3
 IMDG-Class: 3

Packing group

ADR-Packing Group: III
 DOT Packing group: III
 IATA-Packing group: III
 IMDG-Packing group: III

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: B1, B52, IB3, T4, TP1, TP29
 DOT Labels: 3
 ADR-Subsidiary hazards: -

Safety Data Sheet

DS-104

ADR-S.P.:	B1, B52, IB3, T4, TP1, TP29
ADR-Transport category (Tunnel restriction code): (D/E)	
IATA-Passenger Aircraft:	355
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-
Q.L.: 5L	
Q.E.: E1	

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:

Isoparaffinic Hydrocarbon is listed in TSCA Section 8b

n-butyl acetate is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: n-butyl acetate.

Section 313 Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: n-butyl acetate - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 125000 pounds.

CAA - Clean Air Act

CAA listed substances:

n-butyl acetate is listed in CAA Section 111.

CWA - Clean Water Act

CWA listed substances:

n-butyl acetate is listed in CWA Section 304, Section 311.

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:

n-butyl acetate.

New Jersey Right to know

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

n-butyl acetate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

n-butyl acetate.

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:

Safety Data Sheet

DS-104

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Safety Data Sheet dated 7/5/2021, version 2

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.
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