Safety Data Sheet
DS-104 WIPES - P29027-NA

Safety Data Sheet dated 8/23/2018, version 3

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: DS-104 WIPES

Other means of identification:

SDS code: P29027-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

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: 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.

Label elements

Hazard pictograms:

Warning

Hazard statements:
H226 Flammable liquid and vapour.
Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
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 and eye/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
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:

>= 50% - < 60% 2-methoxy-1-methylethyl acetate
REACH No.: 01-2119475791-29, Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

B.6/3 Flam. Liq. 3 H226

>= 20% - < 25% 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:

Wash with plenty of water and soap.

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. 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

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.

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.

Contamined 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 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

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm
- OEL Type: National - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: France VLEC
- OEL Type: National - TWA(8h): 270 mg/m3, 50 ppm - Notes: GERMANY
- OEL Type: National - TWA(8h): 274 mg/m3, 50 ppm - STEL: 548 mg/m3, 100 ppm - Notes: UK (WELs)
- OEL Type: National - TWA: 260 mg/m3 - STEL: 520 mg/m3 - Notes: POLAND
- OEL Type: EU - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: Skin
- OEL Type: AIHA
- TWA: 50 ppm

Isoparaffinic Hydrocarbon - CAS: 64742-48-9

- OEL Type: OSHA - 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: TWA - TWA(8h): 950 mg/m3, 200 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

DNEL Exposure Limit Values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 153.5 mg/kg bw/day - Consumer: 54.8 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 275 mg/m3 - Consumer: 33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.67 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

n-butyl acetate - CAS: 123-86-4
Worker Professional: 11 mg/kg bw/day - Consumer: 6 mg/kg bw/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 bw/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 bw/day - Consumer: 2 mg/kg bw/day - Exposure: Human Oral - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Target: Fresh Water - Value: 0.635 mg/l
Target: Marine water - Value: 0.0635 mg/l
Target: Microorganisms in sewage treatments - Value: 100 mg/l
Target: Freshwater sediments - Value: 3.29 mg/kg
Target: Marine water sediments - Value: 0.329 mg/kg
Target: Soil (agricultural) - Value: 0.29 mg/kg
Target: PNEC intermittent - Value: 6.35 mg/l

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:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	Liquid coated on wipes	--	--
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 (TCC)	--	--
Flash point (°C):	41°C (TCC)	--	--
Evaporation rate:	<1	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	LOWER=2. Upper=10	--	(%by volume)
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.

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-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l
Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg

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

a) 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

g) reproductive toxicity:

Test: NOAEC - Species: Rat = 3615 mg/m3
Test: LOAEC - Species: Rat = 7230 mg/m3 - Source: OECD

i) 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.

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 1000 mg/l
Endpoint: LC50 - Species: Fish = 134 mg/l
Endpoint: EC50 - Species: Daphnia = 408 mg/l

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: Oryzias latipes
Endpoint: NOEC - Species: Daphnia > 100 mg/l - Duration h: 504

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 - Test: N.A. - Duration: 28 days - %: 83 - Notes: N.A.

Bioaccumulative potential

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

BCF - Test: N.A. 15.3 - Duration: N.A. - Notes: N.A.
Log Kow - Test: N.A. 2.3 - Duration: N.A. - Notes: 25°C

Mobility in soil

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

Log Koc - Test: N.A. 1.268 - Duration: N.A. - Notes: N.A.
Volality (H: Henry's Law Constant) - Test: N.A. 28.5 Pa.m3/mol - Duration: N.A. - 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:	UN3175
DOT number:	UN3175
IATA-UN Number:	UN3175
IMDG-UN Number:	UN3175

UN proper shipping name

ADR-Shipping Name:	SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (2-methoxy-1-methylethyl acetate, Isoparaffinic Hydrocarbon)
DOT-Shipping Name:	SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (2-methoxy-1-methylethyl acetate, Isoparaffinic Hydrocarbon)

IATA-Shipping Name:	SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (2-methoxy-1-methylethyl acetate, Isoparaffinic Hydrocarbon)
IMDG-Shipping Name:	SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (2-methoxy-1-methylethyl acetate, Isoparaffinic Hydrocarbon)

Transport hazard class(es)

ADR-Class:	4.1
DOT Hazard Class:	4.1
IATA-Class:	4.1
IATA-Label:	4.1
IMDG-Class:	4.1

Packing group

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

Environmental hazards

ADR-Enviromental 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:	47, IB6, IP2, T3, TP33
DOT Labels:	4.1
ADR-Subsidiary risks:	-
ADR-S.P.:	47, IB6, IP2, T3, TP33

ADR-Transport category (Tunnel restriction code): (E)

IATA-Passenger Aircraft:	445
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	448
IATA-S.P.:	A46
IATA-ERG:	3L
IMDG-EmS:	F-A , S-I
IMDG-Subsidiary risks:	-
IMDG-Stowage and handling:	Category B
IMDG-Segregation:	-

Q.L.: 1K
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.
TSCA listed substances:
2-methoxy-1-methylethyl acetate is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR
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: 166666.6667 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:

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:
H226 Flammable liquid and vapour.
H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

Safety Data Sheet dated 8/23/2018, 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