SAFETY DATA SHEET

EXAMPLE

SECTION 1: Identification

Product identifier

Trade name

EXAMPLE

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Thinner

▼Uses advised against

▼

Process category	Description
PROC7	Industrial spraying

Details of the supplier of the safety data sheet

Company and address

Only Fictive Chemicals Inc.
Chemical Street 101
2020 Everywhere
Planet Earth
tel: +45 7240 1622
www.almego.com

E-mail

info@chymeia.com

SDS date

2022-08-03

SDS Version

4.0

Date of previous version

2022-07-22 (3.0)

Emergency telephone number

In an emergency call 911
Alberta / Northwestern Territories (PADIS): 1-800-332-1414
British Columbia (DPIC): 1-800-567-8911
Manitoba: 1-855-7POISON (1-855-776-4766)
New Brunswick: 911
Nova Scotia / Prince Edward Island (IWK): 1-800-565-8161
Ontario (OPC): 1-800-268-9017
Québec (CAPQ): 1-800-463-5060
Saskatchewan (PADIS): 1-866-454-1212
Yukon Territory: (867) 393-8700
Transport emergenices: Call CANUTEC at 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone (24 hours)
See also section 4 “First aid measures”.

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315, Causes skin irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.

Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Flammable liquid and vapour. (H226)
May be fatal if swallowed and enters airways. (H304)
Causes skin irritation. (H315)
May cause drowsiness or dizziness. (H336)

Safety statement(s)

General

-

Prevention

Wear eye protection/protective gloves/protective clothing. (P280)
Wash hands and exposed skin thoroughly after handling. (P264)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Avoid breathing mist/vapour. (P261)

Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)
Do NOT induce vomiting. (P331)
In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)
Call a POISON CENTER/doctor if you feel unwell. (P312)

Storage

Store in a well-ventilated place. Keep cool. (P403+P235)
Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

▼Hazardous substances

Solvent naphtha (petroleum), light aromatic
n-butyl acetate

Other hazards

Additional labelling

Not applicable

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/Information on Ingredients

▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Zinc oxide	CAS No.: 1314-13-2	40-60%		
Solvent naphtha (petroleum), light aromatic	CAS No.: 64742-95-6	≥10 - ≤25%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336	[19]

Xylene	CAS No.: 1330-20-7	≥25 - ≤50%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332
n-butyl acetate	CAS No.: 123-86-4	≥25 - ≤50%	Flam. Liq. 3, H226 STOT SE 3, H336

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: First-aid measures

Description of first aid measures

General information

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person’s condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

Most important symptoms and effects, both acute and delayed

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2).

Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact a poison centre in order to obtain further advice. See section 1 “Emergency telephone number”.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Avoid inhalation of vapours from spilled material.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.
To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 on “Disposal considerations” in regard of handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

Precautions for safe handling

Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Keep only in original packaging.

Storage temperature

Dry, cool and well ventilated

Incompatible materials

Combustible materials

Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

▼Control parameters

Zinc oxide (ALBERTA)
Long term exposure limit (8 hours) (mg/m³): 2
Short term exposure limit (15 minutes) (mg/m³): 10
Xylene (ALBERTA)
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 434
Short term exposure limit (15 minutes) (ppm): 150
Short term exposure limit (15 minutes) (mg/m³): 651
n-butyl acetate (ALBERTA)
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m³): 713
Short term exposure limit (15 minutes) (ppm): 200
Short term exposure limit (15 minutes) (mg/m³): 950
Annotations:
3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

—
Zinc oxide (BRITISH COLUMBIA)
Time-Weighted Average Limit (TWA): 2 mg/m³
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 10 mg/m³
Xylene (BRITISH COLUMBIA)
Time-Weighted Average Limit (TWA): 100 ppm
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 150 ppm
n-butyl acetate (BRITISH COLUMBIA)
Time-Weighted Average Limit (TWA): 20 ppm

—
Zinc oxide (ONTARIO)
Time-Weighted Average Limit (TWA): 2 mg/m³
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 10 mg/m³
Annotations:
(R) = Respirable fraction.
Xylene (ONTARIO)
Time-Weighted Average Limit (TWA): 100 ppm
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 150 ppm
n-butyl acetate (ONTARIO)
Time-Weighted Average Limit (TWA): 150 ppm
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 200 ppm

—
Zinc oxide (QUEBEC)
Long term exposure limit (8 hours) (mg/m³): 2
Annotations:
Rd = Respirable dust.
Xylene (QUEBEC)
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 434
n-butyl acetate (QUEBEC)
Long term exposure limit (8 hours) (ppm): 20

—
Zinc oxide (SASKATCHEWAN)
Long term exposure limit (8 hours) (mg/m³): 2
Short term exposure limit (15 minutes) (ppm): 10

Xylene (SASKATCHEWAN)
Long term exposure limit (8 hours) (ppm): 100
Short term exposure limit (15 minutes) (ppm): 150
n-butyl acetate (SASKATCHEWAN)
Long term exposure limit (8 hours) (ppm): 150
Short term exposure limit (15 minutes) (ppm): 200

ALBERTA: Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)
BRITISH COLUMBIA: OHS Regulation Part 5: Chemical Agents and Biological Agents.
ONTARIO: Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)
QUEBEC: Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)
SASKATCHEWAN: The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment

Type	Class	Colour	Standards	
A	Class 1 (low capacity)	Brown	EN14387	

Skin protection

Recommended	Type/Category	Standards	
Tyvek®	5, 6 / III	EN1149-1	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards
Wear safety glasses with side shields.	EN166

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state
Liquid

Colour
Colourless

Odour
Solvent

Odour threshold (ppm)
Testing not relevant or not possible due to nature of the product.

pH
Testing not relevant or not possible due to nature of the product.

Density (g/cm³)
0,881

Viscosity (40°C)
<0,07 cm²/s (40 °C)

Phase changes

Melting point (°C)
-99

Boiling point (°C)
Testing not relevant or not possible due to nature of the product.

Vapour pressure
1.5 kPa (20 °C)

Vapour density
Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)
Testing not relevant or not possible due to nature of the product.

Evaporation rate (n-butylacetate = 100)

Data on fire and explosion hazards

Flash point (°C)
25

Ignition (°C)
Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)
Testing not relevant or not possible due to nature of the product.

Explosion limits (% v/v)
0.8 - 7.6

Solubility

Solubility in water
Testing not relevant or not possible due to nature of the product.

n-octanol/water coefficient
Testing not relevant or not possible due to nature of the product.

Other information

Solubility in fat (g/L)
Testing not relevant or not possible due to nature of the product.

▼VOC (g/L)
530

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

Possibility of hazardous reactions

No special

Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

Incompatible materials

Combustible materials

Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

Information on toxicological effects

▼Acute toxicity

Product/substance	Xylene
Test method	OECD 403
Species	Rat, Brown Norway, male/female
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	6350 ppm
Other information	

Product/substance	Xylene
Test method	OECD 402
Species	Rabbit, New Zealand White, male/female
Route of exposure	Dermal
Test	LD50
Result	>4200 mg/kg
Other information	

Product/substance	Xylene
Test method	OECD 401
Species	Rat, Brown Norway, male/female
Route of exposure	Oral
Test	LD50
Result	3523 mg/kg
Other information	

Product/substance	n-butyl acetate
Test method	OECD 403
Species	Rat, Brown Norway, male/female
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	>21 mg/L
Other information	

Product/substance	n-butyl acetate
Test method	OECD 401
Species	Rabbit, Albino Himalaya, female
Route of exposure	Dermal
Test	LD50
Result	>14112 mg/kg
Other information	

Product/substance	n-butyl acetate
Test method	OECD 401
Species	Rat, Brown Norway, male/female
Route of exposure	Oral
Test	LD50
Result	10768 mg/kg
Other information	

Skin corrosion/irritation

Product/substance	n-butyl acetate
Test method	OECD 404
Species	Rabbit, New Zealand White, male/female
Duration	24 hours
Result	Adverse effect observed (Moderately irritating)
Other information	

Causes skin irritation.

▼Serious eye damage/irritation

Product/substance	Xylene
Test method	OECD 405
Species	Rabbit, New Zealand White, female
Duration	24 hours
Result	No adverse effect observed (Not irritating)
Other information	

Product/substance	n-butyl acetate
Test method	OECD 405
Species	Rabbit, New Zealand White, male/female
Duration	3 hours
Result	No adverse effect observed (Not irritating)
Other information	

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

Xylene has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

▼Toxicity

Product/substance	Solvent naphtha (petroleum), light aromatic
Test method	OECD 201
Species	Algae, Pseudokirchneriella subcapitata
Compartment	Freshwater
Duration	96 hours
Test	EC50
Result	19 mg/L
Other information	

Product/substance	n-butyl acetate
Test method	OECD 201
Species	Algae, Scenedesmus quadricauda
Compartment	Freshwater
Duration	72 hours
Test	EC50
Result	648 mg/L
Other information	

Product/substance	n-butyl acetate
Test method	OECD 202
Species	Daphnia, Daphnia magna
Compartment	Freshwater
Duration	48 hours
Test	EC50
Result	44 mg/L
Other information	

▼Persistence and degradability

Product/substance	Solvent naphtha (petroleum), light aromatic
Biodegradable	Yes
Test method	OECD 301 A
Result	>70%

Product/substance	Xylene

Biodegradable	Yes
Test method	OECD 301 D
Result	>60%

Product/substance	n-butyl acetate
Biodegradable	Yes
Test method	OECD 301 D
Result	80%

▼Bioaccumulative potential

Product/substance	Solvent naphtha (petroleum), light aromatic
Test method	
Potential bioaccumulation	Yes
LogPow	No data available
BCF	4
Other information	

Product/substance	Xylene
Test method	OECD 315
Potential bioaccumulation	Yes
LogPow	8,1 - 25,9
BCF	3.12
Other information	

Product/substance	n-butyl acetate
Test method	OECD 317
Potential bioaccumulation	No data available
LogPow	2,3
BCF	3.1
Other information	

Mobility in soil

No data available

Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

Other adverse effects

No special

SECTION 13: Disposal considerations

Waste treatment methods

Xylene is listed with EPA Hazardous Waste Number: U239

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
DOT	UN1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1 	III	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See the Dangerous Goods List, section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Special precautions for user

Not applicable

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

▼Canadian lists

▼DSL / NDSL

Zinc oxide is listed in the non-confidential portion of DSL / NDSL

Solvent naphtha (petroleum), light aromatic is listed in the non-confidential portion of DSL / NDSL

Xylene is listed in the non-confidential portion of DSL / NDSL

n-butyl acetate is listed in the non-confidential portion of DSL / NDSL

Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements

Additional information

Not applicable

Chemical safety assessment

No

Sources

Hazardous Products Regulations (SOR/2015-17)

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

No special

Abbreviations and acronyms

ANSI = American National Standards Institute
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
DSL = Domestic Substances List
NDSL = Non-domestic substances list
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit.
SOR = Statutory Orders and Regulations
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHIMS = Workplace Hazardous Materials Information System

Additional information

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by WHMIS 2015
The classification of the substance/mixture in regard of physical hazards has been based on experimental data.

▼The safety data sheet is validated by

CHYMEIA

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not

necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: CA-en