	MATERIAL SAFETY DATA SHEET	MSDS No.	B-04
	N-BUTYL ACETATE	Effective From	25.06.2021

MATERIAL SAFETY DATA SHEET

SECTION # 1: PRODUCT INFORMATION

1.1 Product Identifier:

Product name	n-Butyl Acetate
Synonyms	Butyl Acetate, Acetic acid butyl ester; Butyl acetate; 1-Butyl acetate, Butyl ethanoate
REACH Certification Number	R-204-658-1-E8649
Tonnage Band	Over – 1000 tonnes/year
Type of Registration	Full Registration
Reference No	01-211948549329-XXXX
Reach only Representative	REACH 24H consulting group
CAS No.	123-86-4
EC Number	204-658-1

1.2 Manufacturer / Supplier Contact Information:

Name	Bloomchemag BV
Address	Sint-Antoniusstraat 16 b1 B-2400, Mol, Belgium
Telephone	Phone: +91 120 4659134
Email	info@bloomchemag.com

SECTION # 2: COMPOSITION, INFORMATION ON INGREDIENTS

CAS NO.	CHEMICAL NAME	PERCENT	EINECS NO.	FORMULA
123-86-4	n-Butyl Acetate	Min 99.7%	204-658-1	$C_6H_{12}O_2; CH_3COO(CH_2)_3CH_3$

SECTION # 3: HAZARDOUS IDENTIFICATION

HAZARDS IDENTIFICATION

Hazard class and label elements of the product according to GHS (the sixth revised edition):
>GHS Hazard Class

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

2.2 GHS Label elements

PictogramSignal Word **Warning**> **Hazard Statements**

H226 Flammable liquid and vapour
H336 May cause drowsiness or dizziness

> **Precautionary Statements****Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

Response

P312 Call a POISON CENTER/doctor, if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/International regulations.

SECTION # 4: FIRST AID MEASURES> **Description of First Aid Measures**

General Advice Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a Physician if feel uncomfortable.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of First-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

> Most Important Symptoms and Effects, both Acute and Delayed

1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

> Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

SECTION # 5: FIRE FIGHTING MEASURE**> Extinguishing Media**

Suitable Extinguishing Media Dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter or spread fire.

> Specific Hazards Arising from the Substance or Mixture

- 1 Will form explosive mixtures with air.
- 2 Fire exposed containers may vent contents through pressure relief valves thereby increasing fire intensity and/ or vapour concentration.
- 3 Vapours may travel to source of ignition and flash back.
- 4 Liquid and vapour are flammable.
- 5 Containers may explode when heated.
- 6 Fire exposed containers may vent contents through pressure relief valves.
- 7 May expansion or decompose explosively when heated or involved in fire.

> Advice for Firefighters

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION # 6: ACCIDENTAL RELEASE MEASURES**> Personal Precautions, Protective Equipment and Emergency Procedures**

- 1 Avoid breathing vapors and contacting with skin and eye.
- 2 Beware of vapours accumulating to form explosive concentrations.
- 3 Vapours can accumulate in low areas.
- 4 Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves.
- 5 Ensure adequate ventilation. Remove all sources of ignition.
- 6 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 7 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

> Environmental Precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

> Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

SECTION # 7: HANDLING AND STORAGE**> Precautions for Handling**

- 1 Avoid inhalation of vapors.
- 2 Use only non-sparking tools.
- 3 To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
- 4 Use explosion proof equipment.
- 5 Handling is performed in a well ventilated place.
- 6 Wear suitable protective equipment.
- 7 Avoid contact with skin and eyes.
- 8 Keep away from heat/sparks/open flames/ hot surfaces.
- 9 Take precautionary measures against static discharges.

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

> Precautions for Storage

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

SECTION # 8: EXPOSURE CONTROL / PERSONAL PROTECTION**> Control Parameters****Occupational Exposure Limit Values**

Component	Country/Region	Limit Value - Eight Hours		Limit Value - Short Term	
		ppm	mg/m ³	ppm	mg/m ³
Butyl acetate 123-86-4	USA - OSHA	150	710	-	-
	South Korea	150	710	200	950
	Ireland	150	710	200	950
	Germany (AGS)	62	300	124	600
	Denmark	150	710	300	1420
	Australia	150	713	200	950

Biological Limit Values No information available Monitoring Methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

> Engineering Controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

> Personal Protection Equipment

Eye Protection Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).

Hand Protection Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

Respiratory protection If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Skin and Body Protection Wear fire/flame resistant/retardant clothing and antistatic boots.

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

SECTION # 9: PHYSICAL AND CHEMICAL PROPERTIES / CHARACTERISTICS**Appearance:** Colorless transparent liquid.**Odor Threshold:** No information available**Melting Point/Freezing Point (°C):** -78**Flash Point (°C)(Closed Cup):** 27**Flammability:** Not applicable**Odor:** No information available**pH:** No information available**Initial Boiling Point and Boiling Range (°C):** 126**Evaporation Rate:** No information available**Upper/lower explosive limits[%(v/v)]:** Upper
limit : 7.6 ; Lower limit : 1.2**Vapor Pressure (MPa):** 1.2**Relative Density (g/cm³):** 0.88**n-Octanol/Water Partition Coefficient:** 1.82**Decomposition Temperature (°C):** No information
available**Particle characteristics:** Not applicable**Vapor Density (g/mL):** 4.0**Solubility:** Insoluble in water**Auto-Ignition Temperature(°C):** 420**Kinematic Viscosity (mm²/s):** No information
available**SECTION # 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Contact with incompatible substances can cause decomposition or other Chemical reactions.

10.2 Chemical stability

Stable under proper operation and storage conditions

10.3 Possibility of hazardous reactions

In contact with metal alkoxides may cause a fire.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Metal alkyl oxide, metal hydride, inorganic peroxide, nitrate and halogens oxyacid salts.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION # 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Component	CAS No.	LD ₅₀ (Oral)	LD ₅₀ (Dermal)	LC ₅₀ (Inhalation, 4h)
Butyl acetate	123-86-4	10768mg/kg(Rat)	> 17600mg/kg(Rabbit)	1.853mg/L(Rat)

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

Available

subAcute toxicity
no data availableIrritation
no data availableSkin corrosion/Irritation
Skin -rabbit -Skin irritation -24 h
Serious eye damage/eye irritation
Eyes -rabbit -Moderate eye irritation
AspirationHazard
no data available
Germ cell mutagenicity
no data available
Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	123-86-4	Butyl acetate	Not Listed	Not Listed

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data availableSpecific target organ toxicity - single exposure
May cause drowsiness or dizziness.Specific target organ toxicity - repeated exposure
no data available

Potential health effects

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation. Vapours may

cause drowsiness and dizziness.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

Causes eye irritation.

Signs and Symptoms of Exposure

Drowsiness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: AF7350000

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-04

N-BUTYL ACETATE

Effective
From

25.06.2021

SECTION # 12: ECOLOGICAL INFORMATION

12.1 Acute Aquatic Toxicity

Component	CAS No.	Fish	Crustaceans	Algae
Butyl acetate	123-86-4	LC50 :81mg/L (96h)(Fish)	No information available	No information available

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

SECTION # 13: DISPOSAL INFORMATION**Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.


Contaminated packaging: Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

Dispose of as unused product.

Additional Information:

No data available

SECTION # 14: TRANSPORT INFORMATION

	MATERIAL SAFETY DATA SHEET	MSDS No.	B-04
	N-BUTYL ACETATE	Effective From	25.06.2021

Transporting Label



Marine pollutant	None
UN Number	1123
UN Proper Shipping Name	BUTYL ACETATES
Transport Hazard Class	3
Transport Subsidiary	
Hazard Class	None
Packing Group	III

SECTION # 15: REGULATION INFORMATION

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

15.1 mixture

Chemical Safety Assessment

OSHA Hazards Flammable liquid, Target Organ Effect, Irritant SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Fire Hazard, Acute Health Hazard, Chronic Health Hazard Massachusetts Right To Know Components n-Butyl acetate CAS-No. 123-86-4 Revision Date 1993-04-24 Pennsylvania Right To Know Components n-Butyl acetate CAS-No. 123-86-4 Revision Date 1993-04-24 New Jersey Right To Know Components n-Butyl acetate CAS-No. 123-86-4 Revision Date 1993-04-24 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION # 16: OTHER INFORMATION

Further information Copyright : no data available no data available

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