

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier**
BALTECH P6401 ACETONE
Substance / mixture substance
Chemical name acetone
CAS number 67-64-1
Index number 606-001-00-8
EC (EINECS) number 200-662-2
Registration number 01-2119471330-49
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Substance's intended use
Cleaning and degreasing agent and special organic solvent, eg for cellulose adhesives.
Substance uses advised against
not available
Exposure scenario is attached to the Safety Data Sheet.
- 1.3. Details of the supplier of the safety data sheet**
Distributor
Name or trade name BARVY A LAKY TELURIA,s.r.o.
Address č.p.1, Skrchov, 679 61
Czech Republic
Identification number (CRN) 43420371
VAT Reg No CZ43420371
Phone +420 516 474 211
E-mail tel@teluria.cz
Web address http://www.bal.cz
- Competent person responsible for the safety data sheet**
Name Ing. Štěpánka Nováková
E-mail stepanka.novakova@bal.cz
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the substance in accordance with Regulation (EC) No 1272/2008

The substance is classified as dangerous.

Flam. Liq. 2, H225
Eye Irrit. 2, H319
STOT SE 3, H336

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause drowsiness or dizziness.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

2.2. Label elements

Hazard pictogram



Signal word

Danger

Dangerous substance

acetone

(Index: 606-001-00-8; CAS: 67-64-1)

Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P280	Wear protective gloves/eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger.

2.3. Other hazards

Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

The substance specified below.

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49	substance main component acetone	>99	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1

Notes

1 Substance with a Union workplace exposure limit.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

May cause drowsiness or dizziness.

If on skin

Not expected.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. If you see a doctor, take this safety data sheet with you.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For workers apart from emergency teams: Avoid inhalation of vapour, prevent skin and eye contact. Wear appropriate protective clothing and gloves. Wear eye protection and face shield if necessary. Use suitable respiratory protection. In closed spaces, ensure fresh air supply. Eliminate all ignition sources. No smoking and no open fire. Keep unnecessary personnel away.

For members of emergency teams: Use appropriate personal protective equipment – protective clothing with antistatic finish and impermeable work shoes. Treat unprotected skin with barrier cream. Anti-chemical protective gloves. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. In the event of substantial pollution, contact respective authorities and wastewater treatment plants.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.1.1. General health measures

Use the product after due familiarization with its hazard characteristics and proper training or training in its safe use. Do not eat, drink, smoke on the site. Wash your hands and other contaminated parts of body by soap and water before eating and after the use of product is finished. Abide by requirements on personal hygiene when working with hazardous chemical products.

Use technical equipment on the site to control human and environment exposure. Regularly inspect the equipment, ensure cleaning, timely maintenance and permanent functionality. When working, use the recommended personal protective equipment listed in 8.2 of the Safety Data Sheet and in Annex to the Safety Data Sheet. Keep the protective clothing and protective equipment sound and clean. Immediately replace the damaged protective aids for sound ones. Keep the site, tools and aids clean and in sound state. On the site, keep the product in labelled containers or tanks. Store product waste and wastes contaminated by the product in suitable and properly labelled vessels located on designated marked and protected places. Ensure long-term storing of wastes containing the product outside the site.

7.1.2. Fire precautions

When using the product, prevent potential ignition or explosion of the mixture of product vapour and air caused by contact with open flame, sparks, extremely hot surfaces, electrostatic discharges. Do not smoke on the site, use non-sparking tools. Places with increased occurrence of the vapour-air mixture need to be ventilated to prevent formation of explosive mixtures. Solvent vapours are heavier than air. The site should be protected from electrostatic discharges.

7.1.3. Environmental precautions

Handle the product on a site technically adapted to avoid accidental leakage to sewerage systems, water or soil. Product waste and wastes contaminated by the product to be disposed of as hazardous waste. Waste water contaminated by the product may only be discharged to water reservoirs after the product components are properly removed in a waste water treatment plant or in other appropriate treatment plant able to remove drifted product components from water. Do not pour the product to waste water. Emissions of solvent from point sources are subjected to control requirements acc. to air protection regulations.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in properly marked, closed containers in well ventilated spaces at 5 – 25 °C. The storages must meet the requirements on storing of flammable liquids and substances hazardous for aquatic life and soil. Protect from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Store away from oxidising substances and strong acids. Do not store with food, drinks, feed material, medicines. Storages should be protected from static electricity. First aid kit and water suitable for eye rinsing should be available.

Keep away from products that are corrosive to metals (eg acids or pool chemicals).

Storage class 3A - Flammable liquids (flash point below 55 °C)

Storage temperature min 5 °C, max 25 °C

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

Use as a thinner in paints and as a cleaning and degreasing agent has been assessed for acetone. The conditions of safe use of the registered substance are incorporated into the body of the safety data sheet and its annex.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m ³
	OEL 8 hours	500 ppm

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

DNEL

acetone

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	186 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	1210 mg/m ³	Systemic chronic effects	
Workers	Inhalation	2420 mg/m ³	Systemic acute effects	
Consumers	Dermal	62 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	200 mg/m ³	Systemic chronic effects	
Consumers	Oral	62 mg/kg bw/day	Systemic chronic effects	

PNEC

acetone

Route of exposure	Value	Determining method
Freshwater environment	10.6 mg/l	
Seawater	1.06 mg/l	
Water (intermittent release)	21 mg/l	
Freshwater sediment	30.4 mg/kg of dry substance of sediment	
Sea sediments	3.04 mg/kg of dry substance of sediment	
Soil (agricultural)	29.5 mg/kg of dry substance of soil	
Microorganisms in wastewater treatment plants	100 mg/l	

8.2. Exposure controls

Conditions of safe use of acetone is specified in exposure scenarios to Safety Data Sheets of the SDS, including the required additional measures restricting the exposure – see the exposure scenarios for the intended uses of acetone. General safety and hygienic measures. When working, do not eat, drink, smoke. Before the break and after the work, hands should be washed with soap and hot water, treated with barrier cream. Overall and local ventilation, effective extraction.

Eye/face protection

Protective goggles (closed eye protection) resistant to organic solvent or face shield.

Skin protection

Skin protection: Protective working clothes with antistatic finish, protective work shoes; treat unprotected skin with barrier cream.

Hand protection: Chemical resistant protective gloves (EN 374-1:2003). Suitable material – nitrile rubber (0.38 mm), time of penetration corresponding to > 480 minutes.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

Respiratory protection

Don't breathe vapours. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

Thermal hazard

Not available.

Environmental exposure controls

Ensure that containers are properly closed during storage, handling and transport. Secure storage areas against possible leakage of product into the environment (sewerage, water, soil - see 6.2). Do not flush product into drains or watercourses.

More information

Exposure scenario is attached to the Safety Data Sheet.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	colourless
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	56 °C
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit	
bottom	2.5 %
upper	13 %
Flash point	-17 °C
Auto-ignition temperature	603 °C
Decomposition temperature	data not available
pH	reacts with water
Kinematic viscosity	<20.5 mm ² /s at 40 °C
Solubility in water	soluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	log Pow -0.24
Vapour pressure	530 hPa at 40 °C
Density and/or relative density	
Density	0.79 g/cm ³ at 15 °C

9.2. Other information

Evaporation rate	data not available
Oxidising properties	The product has no oxidizing properties.
Ignition temperature	465 °C
Vapour density	2,0
Content of organic solvents (VOC)	1.00 kg/kg
Total organic carbon (TOC)	0.62 kg/kg

SECTION 10: Stability and reactivity**10.1. Reactivity**

The substance is highly flammable.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date 20th February 2014
 Revision date 16th December 2021 Version 4.0

10.2. Chemical stability

The product is volatile and evaporates under standard temperature and pressure. It is stable when stored and handled under standard ambient conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the substance.

Acute toxicity

Based on available data the classification criteria are not met.

acetone

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	5800 mg/kg bw		Rat (Rattus norvegicus)	
Inhalation (vapor)	LC ₅₀	76 mg/l of air	4 hour	Rat (Rattus norvegicus)	
Dermal	LD ₅₀	7400 mg/kg bw		Rabbit	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or 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.

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date 20th February 2014
 Revision date 16th December 2021 Version 4.0

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Based on available data the classification criteria are not met.

acetone

Parameter	Value	Time of exposure	Species	Environment
LC ₅₀	5540 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
LC ₅₀	8120 mg/l	96 hour	Fishes (Pimephales promelas)	
LC ₅₀	8800 mg/l	48 hour	Daphnia (Daphnia magna)	

12.2. Persistence and degradability

Biodegradability

acetone

Parameter	Value	Time of exposure	Environment	Result
	91 %	28 day		Easily biodegradable

Easily biodegradable. Depending on the vapor pressure of 231 mm Hg at 25 ° C, ACETON will exist as vapor in the atmosphere. This vapor phase is degraded by reaction with photochemically produced hydroxyl radicals with an estimated half-life of 71 days. ACETON also undergoes photodecomposition by sunlight with an estimated half-life of 80 days. Acetone is probably biodegradable under both aerobic and anaerobic conditions.

BOD₅ = 1.85 g O₂ / g

COD = 1.92 mg O₂ / g

ThOD = 2.21 g O₂ / g

Acetone is resistant to hydrolysis (soil degradation test). Identification of degradation products during photolysis: carbon monoxide, carbon dioxide, methanol, formaldehyde. Photolysis: 18.6 - 114.4 days

12.3. Bioaccumulative potential

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

acetone

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	3				
Log Pow	-0.24				

Very low potential for bioaccumulation.

12.4. Mobility in soil

acetone

Parameter	Value	Environment	Surrounding temperature
Koc	1.5		

The soil is easy to evaporate, based on the estimated value of Koc (soil sorption coefficient), high mobility in soil is assumed.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 01 04 other organic solvents, washing liquids and mother liquors *

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances *

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1090

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

14.2. UN proper shipping name

ACETONE

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II - substances presenting medium danger

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.

33

UN number

1090

Classification code

F1

Safety signs

3


Air transport - ICAO/IATA

Packaging instructions passenger

353

Cargo packaging instructions

364

Marine transport - IMDG

EmS (emergency plan)

F-E, S-D

MFAG

300

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Environmental Protection Act 1990 as amended. Clean Air Act 1993 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9.

15.2. Chemical safety assessment

The chemical safety assessment has been carried out on acetone. The relevant exposure scenarios for the components are incorporated in the annex to the safety data sheet.

SECTION 16: Other information

Page 11/13

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

A list of standard risk phrases used in the safety data sheet

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Guidelines for safe handling used in the safety data sheet

P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P501 Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.
 P261 Avoid breathing vapours.
 P280 Wear protective gloves/eye protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P101 If medical advice is needed, have product container or label at hand.

A list of additional standard phrases used in the safety data sheet

EUH066 Repeated exposure may cause skin dryness or cracking.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
ES	Identification code for each substance listed in EINECS
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
OEL	Occupational Exposure Limits

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6401 ACETONE

Creation date	20th February 2014	Version	4.0
Revision date	16th December 2021		

PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

Commission Regulation (EU) 2020/878 of 18 June 2020. REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 4.0 replaces the SDS version from 18 June 2019. Overall revision of SDS according to Commission Regulation (EU) 2020/878.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

Supplement to the Safety Data Sheet for P6401 ACETONE

Instructions for safe use of the product

Industrial use for cleaning and degreasing and as a diluent	
This applies to the use of the product as an ingredient in cleaning and degreasing agents and as a diluent of adhesives and coatings, including transfer of the product from warehouses, charging/discharging from/to containers and equipment, exposure during mixing and dilution at the preparation stage of use, application processes (including spraying, brushing, dipping, mechanical and hand wiping), cleaning and maintenance of the relevant equipment, laboratory activities.	
Descriptors of the individual activities involved	PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15, PROC19; ERC4
General conditions for the validity of the instructions	Unless specified otherwise, the instructions cover work with undiluted product at normal temperature ± 20 °C, 8 hours per day indoor and outdoor. Basic principles of good work hygiene apply at the workplace (see section 7 of the safety data sheet).
Basic requirements for the technical conditions of use and measures to reduce risks	If there is a risk of atomisation and exposure of eyes, use safety goggles or a shield. If there is a risk of hand contamination, use safety gloves (see sec. 8.2 of the SDS) Unless otherwise specified hereinafter, ensure a good level of ventilation at the workplace (air exchange at least 3–5 times an hour). This can be achieved by ventilation through open windows and doors or by using more efficient forced ventilation systems (10-15 air changes per hour). If NPK or PEL values are exceeded, use respiratory protection (see sec. 8 of the SDS). The workplace must meet the requirements for work with highly flammable liquids capable of producing explosive vapor-air mixtures. The workplace is protected from accidental leakage of the product in water or soil.
Specific requirements for safe use in terms of worker protection:	
Individual activities	Further requirements for the technical conditions of use and measures to reduce risks
Use of the substance in closed continuous and batch processes (PROC1, PROC2, PROC3)	Sampling via closed loop systems or other measures to prevent exposure of workers (e.g. a local exhaust system in areas with potential emissions).
Use of the substance when mixing and diluting in open equipment (PROC5)	No further measures required.
Application by industrial spraying/misting (PROC7) (any of the procedures can be used)	Machine application in a closed chamber equipped with a local exhaust system.
	Machine applications in an open space with intense ventilation (5-10 air exchanges / h).
	Machine applications in the basic ventilation area using a protective mask according to EN 140 with a type A filter or better (see section 8.2 of the safety data sheet).
Product transfer, charging, discharging in an open system where exposure is to be expected (PROC8a)	No further measures required.
Product transfer, charging, discharging in a closed system with limited exposure (PROC8b)	No further measures required.
Roller application or brushing, as well as cleaning of the tools (PROC10)	No further measures required.
Application by dipping or pouring (PROC13)	No further measures required.
Hand-wiping, hand-mixing and hand-application (PROC19)	Use safety gloves resistant to chemicals (see sec. 8.2 of the SDS).
Laboratory activities (PROC15)	No further measures required.
Product waste and product-contaminated waste	Wear protective gloves if there is a risk of contact with waste. Dispose of wastes in sealed containers stored in well-ventilated areas or outdoors. Waste to ensure against leakage into water and soil.
Specific requirements in terms of environmental protection:	
Air protection requirements	If required, reduce product emissions in the air as per requirements of air protection regulations by retention or incineration.
Water protection requirements	Water contaminated with the product before release in surface or ground water is to be treated using physical or biological methods to achieve residual level of contamination as specified by water protection regulations.
Waste management requirements	As appropriate, waste is to be used, regenerated or disposed of as dangerous waste by incineration.

Professional use for cleaning and degreasing and as a diluent

This applies to the use of the product as an ingredient in cleaning agents or as a diluent of adhesives and coatings, including transfer of the product from warehouses, charging/discharging from/to containers and equipment, exposure during mixing and dilution at the preparation stage of use, application processes (including spraying, brushing, dipping, mechanical and hand wiping), and cleaning and maintenance of the relevant equipment.	
Descriptors of the individual activities involved	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC19; ERC8a
General conditions for the validity of the instructions	Unless specified otherwise, the instructions cover work with undiluted product at normal temperature ± 20 °C, 8 hours per day indoor and outdoor. Basic principles of good work hygiene apply at the workplace (see section 7 of the SDS).
Basic requirements for the technical conditions of use and measures to reduce risks	If there is a risk of atomisation and exposure of eyes, use safety goggles or a shield. If there is a risk of hand contamination, use safety gloves (see sec. 8.2 of the SDS) Unless otherwise specified hereinafter, provide good level of basic ventilation at the workplace (air exchange 3-5 times an hour). This can be achieved by ventilation through open windows and doors If NPK or PEL values are exceeded, use respiratory protection (see sec. 8 of the SDS). Measures to prevent fire or explosion of the product vapour mixture with air are applied at the workplace (see sec. 7 of the SDS). The workplace is protected from accidental leakage of the product in water or soil.
Specific requirements for safe use in terms of worker protection:	
Individual activities	Further requirements for the technical conditions of use and measures to reduce risks
Use of the substance in closed continuous and batch processes (PROC1, PROC2, PROC3)	Sampling via closed loop systems or other measures to prevent exposure of workers (e.g. a local exhaust system in areas with potential emissions).
Use of the substance when mixing and diluting in open equipment (PROC5)	When working inside, reduce emissions in the air by using a local exhaust system.
	When working outside, no other measures are required.
Product transfer, charging, discharging in an open system where exposure is to be expected (PROC8a) (any of the procedures can be used)	When working inside, use a local exhaust system in areas with potential emissions.
	Work inside without a local exhaust system shall not exceed 4 hours a day. For the rest of the shift, the worker shall not be exposed to product vapours.
	Work outside.
Product transfer, charging, discharging in a closed system with limited possibility of exposure (PROC8a)	No further measures required.
Roller application or brushing, as well as cleaning of the tools (PROC10) (any of the procedures can be used)	When working inside, use a local exhaust system in areas with potential emissions.
	When working inside without the use of a local exhaust system, use a mixture containing max. 25% of the product.
	Work inside with the product in concentrated form without any further requirements for ventilation or use of respiratory protection shall not exceed 4 hours a day. For the rest of the shift, the worker shall not be exposed to product vapours.
Application by non-industrial (manual) spraying/misting (PROC11) (any of the procedures can be used)	Work inside is to be carried out in chambers equipped with a local exhaust system with min. 80% efficiency.
	Work inside is to be carried out with a mixture containing max. 25% of the product and in intensively ventilated areas (air exchange 5-10 times an hour) and it shall not exceed 4 hours a day. For the rest of the shift, the worker shall not be exposed to product vapours.
	Work inside with the product in concentrated form shall not exceed 1 hour a day. For the rest of the shift, the worker shall not be exposed to product vapours.
	When working inside, use a protective mask with a filter providing 90% reduction of the product content in the inhaled air (protection of the respiratory system in compliance with EN 140 standard with an A-type protective filter or better).
Application by dipping or pouring (PROC13)	No further measures required.
Hand-wiping, hand-mixing and hand-application (PROC19) (any of the procedures can be used)	Use safety gloves resistant to chemicals (see sec. 8.2 of the SDS), work with a mixture containing max. 25% of the product.
	Work with the product in concentrated form shall not exceed 1 hour a day. For the rest of the shift, the worker shall not be exposed to product vapours.
Laboratory activities (PROC15)	No further measures required.
Product waste and product-contaminated waste	Wear protective gloves if there is a risk of contact with waste. Dispose of wastes in sealed containers stored in well-ventilated areas or outdoors. Waste to ensure against leakage into water and soil.
Specific requirements in terms of environmental protection:	
Air protection requirements	When working outside, no other measures to reduce emissions are required. When working inside, reduce product emissions in the air depending on the activity being carried out and on

	the yearly amount of volatile organic compounds used according to requirements of air protection regulations.
Water protection requirements	Water contaminated with the product before release in surface or ground water is to be treated using physical or biological methods to achieve residual level of contamination as specified by water protection regulations.
Waste management requirements	As appropriate, waste is to be used, regenerated or disposed of as dangerous waste by incineration.