

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 1 of 11

**1. Identification**
**Product identifier**

DEKAPREN 1513/4

**Recommended use of the chemical and restrictions on use**
**Use of the substance/mixture**

Sizing agent

**Uses advised against**

No further relevant information available.

**Details of the supplier of the safety data sheet**
**Manufacturer**

Company name:	DINOL GmbH	
Street:	Pyrmonter Strasse 76	
Place:	D-32676 Luegde	
Telephone:	+ 49 (0) 5281 982980	Telefax: + 49 (0) 5281 9829860
E-mail:	msds@dinol.com	
Contact person:	Labor	
Internet:	www.dinol.com	
Responsible Department:	msds@dinol.com	

**Supplier**

Company name:	DINOL U.S. Inc.	
Street:	8500 Cotter Street, Lewis Center	
Place:	USA-43035 Ohio	
Telephone:	740-548-1656	Telefax: 740-548-1657
E-mail:	info@dinolus.com	
Internet:	www.dinol.com	

**Emergency phone number:** 3E Company Emergency +1-866-404-4230

**2. Hazard(s) identification**
**Classification of the chemical**
**29 CFR Part 1910.1200**

Flammable liquids: Category 2

Carcinogenicity: Category 2

Serious eye damage/eye irritation: Category 2A

Specific target organ toxicity single exposure: Category 3 (narcotic effects)

**Label elements**
**29 CFR Part 1910.1200**
**Signal word:** Danger

**Pictograms:**

**Hazard statements**

Highly flammable liquid and vapor

Causes serious eye irritation

May cause drowsiness or dizziness

Suspected of causing cancer

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 2 of 11

**Precautionary statements**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wash water thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 If exposed or concerned: Get medical advice/attention.  
 In case of fire: Use water to extinguish.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.

**Special labeling**

Restricted to professional users.

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients**
**Mixtures**
**Relevant ingredients**

CAS No	Components	Quantity
67-64-1	acetone; propan-2-one; propanone	37.92 %
141-78-6	ethyl acetate	17.54 %
79-20-9	methyl acetate	8.688 %
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone	3.256 %
123-86-4	n-butyl acetate	1.306 %

**Further Information**

Full text of H statements: see section 16.

**4. First-aid measures**
**Description of first aid measures**
**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.  
 Never give anything by mouth to an unconscious person or a person with cramps.  
 If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.

**After contact with skin**

Change contaminated clothing.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DEKAPREN 1513/4

Revision date: 04/30/2026

Product code: 1078

Page 3 of 11

After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).  
Do NOT induce vomiting.  
Call a physician immediately.  
Put victim at rest, cover with a blanket and keep warm.

#### **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

#### **Indication of any immediate medical attention and special treatment needed**

No information available.

## 5. Fire-fighting measures

#### **Extinguishing media**

##### **Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder,

##### **Unsuitable extinguishing media**

High power water jet. water

#### **Specific hazards arising from the chemical**

No further relevant information available.

#### **Special protective equipment and precautions for fire-fighters**

Use appropriate respiratory protection.

#### **Additional information**

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

#### **Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Provide adequate ventilation.  
Wear personal protection equipment.  
Avoid contact with skin, eyes and clothes.  
Avoid breathing dust/fume/gas/mist/vapors/spray.

##### **For emergency responders**

For further specification, refer to section 8 of the SDS.

#### **Environmental precautions**

Do not allow to enter into surface water or drains.

#### **Methods and material for containment and cleaning up**

##### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

##### **For cleaning up**

Provide adequate ventilation.  
Clear contaminated areas thoroughly.  
Do not rinse down with water.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 4 of 11

**Other information**

No information available.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe gas/fume/vapor/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.

Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store in a cool dry place.

**Hints on joint storage**

Not required.

**Further information on storage conditions**

Keep container tightly closed.

Keep in a cool, well-ventilated place.

**8. Exposure controls/personal protection****Control parameters**

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 5 of 11

**Exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	Category	Origin
67-64-1	Acetone	1000	2400	TWA (8 h)	PEL
		250	590	TWA (8 h)	REL
		250	594	TWA (8 h)	ACGIH-2025
		500	1187	STEL (15 min)	ACGIH-2025
141-78-6	Ethyl acetate	400	1400	TWA (8 h)	PEL
		400	1400	TWA (8 h)	REL
		400	1440	TWA (8 h)	ACGIH-2025
108-10-1	Hexone (Methyl isobutyl ketone)	100	410	TWA (8 h)	PEL
108-10-1	Hexone	50	205	TWA (8 h)	REL
		75	300	STEL (15 min)	REL
79-20-9	Methyl acetate	200	610	TWA (8 h)	PEL
		200	610	TWA (8 h)	REL
		250	760	STEL (15 min)	REL
79-20-9	Methyl acetate	200	606	TWA (8 h)	ACGIH-2025
		250	757	STEL (15 min)	ACGIH-2025
108-10-1	Methyl isobutyl ketone	20	82	TWA (8 h)	ACGIH-2025
		75	307	STEL (15 min)	ACGIH-2025
123-86-4	n-Butyl acetate	150	710	TWA (8 h)	REL
		200	950	STEL (15 min)	REL
123-86-4	n-Butyl acetate	50	238	TWA (8 h)	ACGIH-2025
		150	712	STEL (15 min)	ACGIH-2025
123-86-4	n-Butyl-acetate	150	710	TWA (8 h)	PEL

**Biological Exposure Indices (BEI-ACGIH)**

CAS No	Substance	Determinant	Value	Test material	Sampling time
67-64-1	ACETONE	Acetone	25 mg/L	urine	End of shift
108-10-1	METHYL ISOBUTYL KETONE	Methyl isobutyl ketone	1 mg/L	urine	End of shift

**Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Eye glasses with side protection (DIN EN 166)

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DEKAPREN 1513/4

Revision date: 04/30/2026

Product code: 1078

Page 6 of 11

#### Hand protection

Recommended glove articles :

FKM (fluoro rubber), Breakthrough time:: 480 min.

NBR (Nitrile rubber), Breakthrough time:: 480 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves have to be replaced at the first sign of deterioration.

Protect skin by using skin protective cream.

#### Skin protection

Wear anti-static footwear and clothing

#### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

gas filtering equipment (EN 141),. Filter material/medium: AX

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	light yellow transparent
Odor:	characteristic
Odour threshold:	not determined

#### Test method

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	56 °C
Flammability:	Highly flammable
Lower explosion limits:	2,1 vol. %
Upper explosion limits:	13 vol. %
Flash point:	-17 °C
Auto-ignition temperature:	373 °C
Decomposition temperature:	not determined
pH-Value:	The study does not need to be conducted because the substance is known to be insoluble in water.
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s
Water solubility:	Immiscible
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapor pressure: (at 20 °C)	240 hPa
Vapor pressure: (at 50 °C)	828 hPa
Density (at 20 °C):	0,91 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	not determined
Particle characteristics:	not applicable

### Other information

#### Information with regard to physical hazard classes

Explosive properties

not determined

Sustained combustibility:

No data available

Self-ignition temperature

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 7 of 11

Solid:	not self-igniting
Gas:	not self-igniting
Oxidizing properties	
not determined	

**Other safety characteristics**

Solvent content:	68,7 %
Solid content:	31,3%
Softening point:	not determined
Viscosity / dynamic: (at 20 °C)	4767 mPa·s

**Further Information**

No information available.

**10. Stability and reactivity**
**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

Stability:	Stable
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The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Hazardous reactions:	Will not occur
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No known hazardous reactions.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials**

No information available.

**Hazardous decomposition products**

Carbon monoxide

**Further information**

No further relevant information available.

**11. Toxicological information**
**Route(s) of Entry**

No information available.

**Information on toxicological effects**
**Acute toxicity**

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

**ATEmix tested**

	Dose	Species	Source
LC50, inhalation (vapor) (4 h)	246 - 491 mg/l		

**ATEmix calculated**

ATE (oral) &gt; 5000 mg/kg; ATE (dermal) &gt; 5000 mg/kg; ATE (inhalation dust/mist) &gt; 12,5 mg/l

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 8 of 11

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 5800 mg/kg	Rat	RTECS	
	dermal	LD50 7426-15800 mg/kg	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50 76 mg/l	Rat		
141-78-6	ethyl acetate				
	oral	LD50 5620 mg/kg	Rat		
	dermal	LD50 >20000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 50 mg/l	Rat		
79-20-9	methyl acetate				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >49 mg/l	Rat		
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone				
	oral	LD50 2080 mg/kg	Rat		
	inhalation (4 h) vapour	LC50 11 mg/l	Rat		
123-86-4	n-butyl acetate				
	oral	LD50 10760 mg/kg	Rat		
	dermal	LD50 > 14112 mg/kg	Rabbit		
	inhalation vapour	LC50 > 21 mg/l	Rat		
	inhalation (4 h) dust/mist	LC50 >21 mg/l	Rat		

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye irritation

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing cancer (4-methylpentan-2-one, isobutyl methyl ketone)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

**Specific target organ toxicity (STOT) - single exposure**

May cause drowsiness or dizziness (acetone; propan-2-one; propanone)

**Specific target organ toxicity (STOT) - repeated exposure**

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

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Methyl isobutyl ketone (CAS 108-10-1) is listed in group 2B.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 9 of 11

**Aspiration hazard**

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

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

No information available.

**Practical experience**

No information available.

**Information on other hazards**
**Endocrine disrupting properties**

Endocrine disrupting potential No information available.

**Further information**

There are no data available on the preparation/mixture itself.

**12. Ecological information**
**Persistence and degradability**

There are no data available on the mixture itself.

**Bioaccumulative potential**

There are no data available on the mixture itself.

**Mobility in soil**

There are no data available on the mixture itself.

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**Other adverse effects**

No information available.

**Further information**

There are no data available on the mixture itself.

**13. Disposal considerations**
**Waste treatment methods**
**Disposal recommendations**

 Dispose of waste according to applicable legislation.  
 Do not mix with other wastes.

**Contaminated packaging**

Dispose according to legislation.

**14. Transport information**
**U.S. DOT 49 CFR 172.101**
**UN number or ID number:**

UN 1133

**Proper shipping name:**

ADHESIVES

**Transport hazard class(es):**

3

**Packing group:**

II

**Hazard label:**

3



**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DEKAPREN 1513/4**

Revision date: 04/30/2026

Product code: 1078

Page 10 of 11

**Marine transport (IMDG)**

**UN number or ID number:** UN 1133  
**UN proper shipping name:** ADHESIVES  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: -  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 EmS: F-E, S-D

**Other applicable information (marine transport)**

Protect against:

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** UN 1133  
**UN proper shipping name:** ADHESIVES  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: A3  
 Limited quantity Passenger: 1 L  
 Passenger LQ: Y341  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

Protect against:

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No  
 Marine pollutant: no

**Special precautions for user**

Warning: Flammable liquids

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**15. Regulatory information**
**U.S. Regulations**
**National Inventory TSCA**

Substance/product listed in the following inventories: TSCA

**National regulatory information**

SARA Section 304 CERCLA:

Acetone (67-64-1): Reportable quantity = 5,000 (2270) lbs. (kg)

Ethyl acetate (141-78-6): Reportable quantity = 5,000 (2270) lbs. (kg)

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DEKAPREN 1513/4

Revision date: 04/30/2026

Product code: 1078

Page 11 of 11

Methyl isobutyl ketone (108-10-1): Reportable quantity = 5,000 (2270) lbs. (kg)

Butyl acetate (123-86-4): Reportable quantity = 5,000 (2270) lbs. (kg)

#### SARA Section 311/312 Hazards:

Acetone (67-64-1): Fire hazard, Immediate (acute) health hazard

Ethyl acetate (141-78-6): Fire hazard, Immediate (acute) health hazard

methyl acetate (79-20-9): Fire hazard, Immediate (acute) health hazard

Methyl isobutyl ketone (108-10-1): Fire hazard, Delayed (chronic) health hazard, Immediate (acute) health hazard

Butyl acetate (123-86-4): Fire hazard, Immediate (acute) health hazard

#### SARA Section 313 Toxic release inventory:

Methyl isobutyl ketone (108-10-1): De minimis limit = 1.0 %, Reportable threshold = Standard

#### Clean Air Act Section 112(b):

Methyl isobutyl ketone (108-10-1)

### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

WARNING: This product can expose you to chemicals including Methyl isobutyl ketone (MIBK) (cancer, developmental); Toluene (developmental); Vinyl chloride (cancer); Acetaldehyde (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

### 16. Other information

#### Changes

Revision date: 04/30/2026

Revision No: 1,4

This data sheet contains changes from the previous version in section(s): 16.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

This safety data sheet contains only safety-related information and does not replace product information or product specifications.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*