Safety Data Sheet

according to Regulation (EC) No 1907/2006

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

1.1. Product identifier

Ripcare - shoe repair - clear

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

Use of the substance/mixture

Adhesives, sealants
Roller application or brushing of adhesive and other coating.
Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	Delta Distribution GmbH
Street:	Am Heuberg 25
Place:	D-37308 Schimberg
Telephone:	03641-5598266
e-mail:	hello@delta-dist.eu
Internet:	www.delta-dist.eu

1.4. Emergency telephone number:

GGIZ: +49-361-730730

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Flammable liquid: Flam. Liq. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Hazard Statements:
Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

ethyl acetate
acetone
n-butyl acetate

Signal word: Danger

Pictograms:

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.
P235	Keep cool.
P370+P378	In case of fire: Use alcohol resistant foam to extinguish.
P501	Dispose of contents/container to waste management.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.

Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

polyurethane-prepolymers with stabilizers and filling materials in a mixture of organic solvents

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
141-78-6	ethyl acetate			25 - < 35 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
67-64-1	acetone			25 - < 35 %
	200-662-2	606-001-00-8	01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
123-86-4	n-butyl acetate			1 - < 5 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. Grease skin after contact

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of allergic symptoms,

especially in the breathing area, seek medical advice immediately.

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

Dizziness. Nausea.

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

Treat symptomatically. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Where appropriate artificial ventilation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO_2), alcohol resistant foam. Extinguishing powder, ABC powder. Atomized water. Dry sand.

Unsuitable extinguishing media

High power water jet. High power water jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes. In case of fire may be liberated: Hydrogen chloride (HCl). Burning produces heavy smoke.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/vapour/aerosol.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).
If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours / aerosols must be extracted by suction immediately at point of origin. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Recommended storage temperature: 15-30 °C Ensure adequate ventilation of the storage area.

Advice on storage compatibility

Do not store together with: Oxidising agent, Pyrophoric or self-heating substances. Store packaging and combustible materials separately from one another. Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Floors should be impervious, resistant to liquids and easy to clean.
Store small packages in a suitable, robust cabinet.

7.3. Specific end use(s)

Adhesives, sealants
Roller application or brushing of adhesive and other coating.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
141-78-6	ethyl acetate			
Worker DNEL, long-term		inhalation	systemic	1468 mg/m³
Worker DNEL, acute		inhalation	local	1468 mg/m³
Worker DNEL, long-term		dermal	systemic	63 mg/kg bw/day
Worker DNEL, long-term		inhalation	local	734 mg/m³
Consumer DNEL, acute		inhalation	systemic	734 mg/m³
Consumer DNEL, long-term		inhalation	local	734 mg/m³
Consumer DNEL, long-term		dermal	systemic	37 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	367 mg/m³
Consumer DNEL, long-term		oral	systemic	4,5 mg/kg bw/day
Consumer DNEL, acute		inhalation	local	367 mg/m³
67-64-1	acetone			
Worker DNEL, acute		inhalation	systemic	2420 mg/m³
Worker DNEL, long-term		inhalation	systemic	1210 mg/m³
Worker DNEL, long-term		dermal	systemic	186 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	62 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	200 mg/m³
Consumer DNEL, long-term		oral	systemic	62 mg/kg bw/day
123-86-4	n-butyl acetate			
Consumer DNEL, long-term		oral	systemic	3,4 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	3,4 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	7 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	12 mg/m³
Worker DNEL, long-term		inhalation	systemic	48 mg/m³

PNEC values

CAS No	Substance
Environmental compartment	Value
141-78-6	ethyl acetate
Freshwater	0,26 mg/l
Marine water	0,026 mg/l
Freshwater sediment	0,34 mg/kg
Marine sediment	0,034 mg/kg
Soil	0,22 mg/kg
67-64-1	acetone
Freshwater	10,6 mg/l
Marine water	1,06 mg/l
Freshwater sediment	30,4 mg/kg
Marine sediment	3,04 mg/kg
Soil	29,5 mg/kg
123-86-4	n-butyl acetate
Freshwater	0,18 mg/l
Freshwater sediment	0,981 mg/kg
Soil	0,0903 mg/kg

8.2. Exposure controls






Appropriate engineering controls

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

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Test suitability of gloves before use.
Suitable material: Butyl caoutchouc (butyl rubber)
Thickness of the glove material : 0,5 mm
Breakthrough time (maximum wearing time) : >= 1 h
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.

Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.
Wear anti-static footwear and clothing

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387) Use the following

filter types for cleaning waste gases: A-P2

Environmental exposure controls

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste liquid
Colour:	transparent
Odour:	ester

		Test method
pH-Value:	not applicable	
Changes in the physical state		
Melting point:	not determined	
Initial boiling point and boiling range:	56 °C	DIN 53 171
Sublimation point:	not determined	
Softening point:	not determined	
Pour point:	not determined	
Flash point:	-17 °C	DIN 51 755
Sustaining combustion:	No data available	
Flammability		
Solid:	not applicable	
Gas:	not applicable	
Explosive properties		
Vapours can form explosive mixtures with air.		
Lower explosion limits:	2,1 vol. %	
Upper explosion limits:	14,3 vol. %	
Ignition temperature:	460 °C	DIN 51 794
Auto-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Decomposition temperature:	not determined	
Oxidizing properties		
Not oxidising.		
Vapour pressure: (at 20 °C)	246 hPa	DIN EN 12
Vapour pressure: (at 50 °C)	814 hPa	
Density (at 20 °C):	0,88 g/cm³	DIN 51 757
Bulk density:	not applicable	
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water	
Solubility in other solvents		
not determined		
Partition coefficient:	not determined	

Viscosity / dynamic: (at 20 °C)	30000 -32000 mPa·s	DIN 53018
Viscosity / kinematic:	not determined	
Flow time:	> 300 (3 mm)	
Vapour density:	not determined	
Evaporation rate:	not determined	
Solvent separation test:	not determined	
Solvent content:	67,20 %	

9.2. Other information

Solid content:	32,80 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

10.3. Possibility of hazardous reactions

Gas/vapour, highly flammable. Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Decompostion takes place from temperatures above: > 150 °C

10.5. Incompatible materials

Acid, concentrated. , Oxidizing agents, strong.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
141-78-6	ethyl acetate				
	oral	LD50 5600 mg/kg	Rat		
	dermal	LD50 18000 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 58 mg/l	Rat		
67-64-1	acetone				
	oral	LD50 5800 mg/kg	Ratte	RTECS	
	dermal	LD50 20000 mg/kg	Kaninchen	IUCLID	
	inhalative (4 h) vapour	LC50 76 mg/l	Ratte		
123-86-4	n-butyl acetate				
	oral	LD50 8800 mg/kg	Rat.		
	dermal	LD50 5000 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 21 mg/l	Rat.		

Irritation and corrosivity

Causes serious eye irritation.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Frequently or prolonged contact with skin may cause dermal irritation.

Sensitising effects

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

STOT-single exposure

May cause drowsiness or dizziness. (ethyl acetate; acetone)
There are no data available on the preparation/mixture itself.

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Inhalation causes narcotic effects/intoxication.

Aspiration hazard

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal

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

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Product is easily volatile. Product is slightly soluble in test vehicle. An aqueous dispersion has been testet.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
141-78-6	ethyl acetate						
	Acute fish toxicity	LC50	230 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 mg/l	3300	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50	717 mg/l	48 h	Daphnia magna		
67-64-1	acetone						
	Acute fish toxicity	LC50 mg/l	5540	96 h	Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50 mg/l	6100	48 h	Daphnia magna		
123-86-4	n-butyl acetate						
	Acute fish toxicity	LC50	62 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50	675 mg/l	72 h	Scenedesmus subspiciatus		
	Acute crustacea toxicity	EC50	44 mg/l	48 h			

12.2. Persistence and degradability

Product is biodegradable with difficulty.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-64-1	acetone			
	OECD 301 A-F	60 BSB/CSB	28	
123-86-4	n-butyl acetate			
	DOC-Elimination	> 70 %		

12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
141-78-6	ethyl acetate	0,6
67-64-1	acetone	-0,24
123-86-4	n-butyl acetate	1,81

BCF

CAS No	Chemical name	BCF	Species	Source
141-78-6	ethyl acetate	30		

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

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

Further information

The statement is derived form the properties of the components.
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Dispose according to legislation. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Adhesives (Acetone)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Classification code:	F1
Special Provisions:	640H
Limited quantity:	LQ7
Excepted quantity:	E1
Transport category:	3
Hazard No:	33
Tunnel restriction code:	D/E

Other applicable information (land transport)

Additional information on classification : 2.2.3.1.4 ADR / GGVSEB

Inland waterways transport (ADN)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Adhesives
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Classification code:	F1
Special Provisions:	640H
Limited quantity:	5 L
Excepted quantity:	E1

Other applicable information (inland waterways transport)

Additional information on classification : 2.2.3.1.4 ADR / GGVSEB

Marine transport (IMDG)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Adhesives (Aceton)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Marine pollutant:	No
Special Provisions:	223, 955
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-D

Other applicable information (marine transport)

Additional information on classification : 2..3.2.2 IMDG-Code

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Adhesives
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Special Provisions:	A3
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC):	100 % (850 g/l)
2004/42/EC (VOC):	100 % (850 g/l)

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D):	1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,3,9,10,11,12,14,15,16.

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%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

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.

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