

## SAFETY DATA SHEET

# SÜDWEST Eloxier-Effekt-Spray

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name                      SÜDWEST Eloxier-Effekt-Spray

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

Coating compound/ Surface coating/ paint

Recommended restrictions on use

This information is not available.

#### 1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG  
Iggelheimer Str. 13  
D - 67459 Böhl-Iggelheim  
Telephone: (+49)6324/709-0  
Telefax: (+49)6324/709-175  
www.suedwest.de

E-mail address of person responsible for the SDS

sdb@suedwest.de

European Union

#### 1.4 Emergency telephone number

Phone: +44 (0)1235 239 670

European Union

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification ( REGULATION (EC) No 1272/2008)

Aerosols, Category 1

H222: Extremely flammable aerosol.

Eye irritation, Category 2

H229: Pressurised container: May burst if heated.

H319: Causes serious eye irritation.

Specific target organ

H336: May cause drowsiness or dizziness.

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toxicity - single exposure, Category 3, Central nervous system

## Classification (67/548/EEC, 1999/45/EC)

1999/45/EC:

Hazard characteristics/Category  
Extremely flammable  
Indication of danger  
Extremely flammable

R-phrases) R12 Extremely flammable.

1999/45/EC:

Hazard characteristics/Category  
Irritant  
Indication of danger  
Irritant

R-phrases) R36 Irritating to eyes.

1999/45/EC:

R-phrases) R66, R67 Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word Danger

Hazard statements H222Extremely flammable aerosol. H229Pressurised container: May burst if heated. H319Causes serious eye irritation. H336May cause drowsiness or dizziness.

Precautionary statements

P102Keep out of reach of children.Prevention:  
P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211Do not spray on an open flame or other ignition source.  
P251Do not pierce or burn, even after use.  
P260Do not breathe spray.  
Storage:  
P410 + P412Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Disposal:  
P501Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

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Additional Labelling:

Repeated exposure may cause skin dryness or cracking.

**Hazardous components which must be listed on the label:**

acetone

## 2.3 Other hazards

Results of PBT and vPvB assessment  
Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical nature      Active substance with propellant

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
acetone	67-64-1 200-662-2 01- 2119471330- 49-XXXX	F; R11 Xi; R36  R66  R67	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	≥ 25 - < 50
n-butyl acetate	123-86-4 204-658-1 01- 2119485493- 29-xxxx	R10 R66  R67	Flam. Liq.3; H226 STOT SE3; H336	≥ 12,5 - < 20
propane	74-98-6 200-827-9 01- 2119486944- 21-XXXX	F+; R12	Flam. Gas1; H220 Press. GasH280 Note U (Table 3.1)	≥ 10 - ≤ 12,5
butane (containing < 0.1% butadiene (203-450-8))	106-97-8 203-448-7 01-	F+; R12	Flam. Gas1; H220 Press. GasH280 Note U (Table 3.1),	≥ 5 - ≤ 10

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	2119474691-32-XXXX		Note C	
isobutane	75-28-5 200-857-2 01- 2119485395-27-XXXX	F+; R12	Flam. Gas1; H220 Press. GasH280 Note C	≥ 2,5 - ≤ 5
Substances with a workplace exposure limit :				
dimethyl ether	115-10-6 204-065-8 01- 2119472128-37-XXXX	F+; R12 WEL substance	Flam. Gas1; H220 Press. GasH280 Note U (Table 3.1)	≥ 12,5 - < 20
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 01- 2119475791-29-XXXX	R10	Flam. Liq.3; H226	≥ 5 - < 10

For explanation of abbreviations see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label. Keep at rest.

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Do NOT induce vomiting.

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

Symptoms No information available.

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

Treatment Treat symptomatically.  
No information available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Exposure to decomposition products may be a hazard to health.  
Cool closed containers exposed to fire with water spray.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.  
Fight fire with normal precautions from a reasonable distance.

### Additional advice

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Remove all sources of ignition.  
Ensure adequate ventilation.  
Do not breathe vapour.  
Prevent unauthorized access.

### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean with detergents. Avoid solvents.  
Clean contaminated surface thoroughly.  
Dispose of contaminated material as waste according to item 13.

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## 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling	<p>Comply with the statutory regulations on health and safety at work.</p> <p>Avoid formation of aerosol.</p> <p>Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.</p> <p>The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.</p> <p>All metal parts of the mixing and processing equipment must be earthed.</p> <p>Operators should wear antistatic footwear and clothing. No sparking tools should be used.</p>
Hygiene measures	<p>Do not breathe spray, vapour.</p> <p>Take off immediately all contaminated clothing.</p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Wash hands before breaks and immediately after handling the product.</p> <p>After washing hands, replenish lost skin oil by means of oily skin ointment.</p> <p>When using do not eat, drink or smoke.</p>

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	<p>Store in original container.</p> <p>Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. Nonsmoking.</p> <p>Prevent unauthorized access.</p> <p>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</p> <p>Keep in a well-ventilated place.</p> <p>Protect from frost, heat and sunlight.</p>
Advice on protection against fire and explosion	<p>Vapours are heavier than air and may spread along floors.</p> <p>Vapours may form explosive mixtures with air.</p> <p>Keep away from sources of ignition - No smoking.</p> <p>Take measures to prevent the build up of electrostatic charge.</p>
Advice on common storage	<p>Keep away from combustible materials.</p> <p>Keep away from food, drink and animal feedingstuffs.</p> <p>Keep away from oxidising agents and strongly acid or alkaline materials.</p>

### 7.3 Specific end use(s)

For further information, see also Technical Data Sheet for the product.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure limit(s)

Components	CAS-No.
Basis	Control parameters
acetone	67-64-1
2000/39/EC	Limit Value - eight hours 1.210 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours 500 ppm
Additional advice:	Indicative
dimethyl ether	115-10-6
2000/39/EC	Limit Value - eight hours 1.920 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours 1.000 ppm
Additional advice:	Indicative
2-methoxy-1-methylethyl acetate	108-65-6
2000/39/EC	Short term exposure limit 550 mg/m <sup>3</sup>
2000/39/EC	Short term exposure limit 100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative
2000/39/EC	Limit Value - eight hours 275 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours 50 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative

The lists that were valid during the creation were used as basis.

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates solvent vapour below the occupational exposure limit values, suitable respiratory protection must be worn.

Washing facilities / water for rinsing eyes and skin should be available.

#### Individual protection measures, such as personal protective equipment

- a) Eye/face protection      Safety glasses with side-shields conforming to EN166
- b) Skin protection  
Hand protection      Break through time: 60 min  
Minimum thickness: 0,7 mm  
e.g. KCL 898 "Butoject®" - butyl rubber protective glove - (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de) or equal.

Dispose of wetted gloves at the end of the shift!

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Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

## Body Protection

Preventive skin protection

Long sleeved clothing

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthehc fiber. All parts of the body should be washed after contact.

## c) Respiratory protection

When workers are facing concentrations above the occupational exposure limit values they must use appropriate certified respirators.

Breathing protection equipment required in inadequately ventilated places and during spraying.

In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.

Combination filter A-P2

Respiratory protection complying with EN 14387.

## Environmental exposure controls

### General advice

The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	aerosol
Colour	various
Odour	characteristic
Odour Threshold	No data available
pH	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable, as aerosol.
Evaporation rate	Not applicable
Flammability (solid, gas)	Extremely flammable aerosol.
Lower explosion	1,2 %(V)



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limit

Upper explosion limit	18,6 %(V)
Vapour pressure	8.300 hPa, 20 °C
Vapour density	No data available
Density	ca. 0,78 g/cm <sup>3</sup> , 20 °C
Solubility(ies)(Water)	immiscible
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Ignition temperature	235 °C
Decomposition temperature	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Explosive properties	In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

## 9.2 Other information

Flow time 45 s, 20 °C, 4 mm, DIN 53211

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.  
Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid Direct sources of heat.  
Strong sunlight for prolonged periods.  
Avoid heating over 50 °C.  
Risk of bursting.

### 10.5 Incompatible materials

Materials to avoid Strong acids and strong bases

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Strong oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition products	No decomposition if stored and applied as directed.
Decomposition temperature	No data available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity	Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Based on available data, the classification criteria are not met.
Acute dermal toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity in vitro	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	
Effects on fertility	Based on available data, the classification criteria are not met.
Developmental Toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	Based on available data, the classification criteria are not met.

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Aspiration hazard	Based on available data, the classification criteria are not met.
Human experience	<p>Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects. Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.</p> <p>Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic contact skin damage (contact dermatitis) and / or the resorption of substances.</p> <p>Solvent sprays can cause irritation and reversible damage to the eye.</p>
Further information	The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

**Components:****acetone :**

Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/eye irritation	Causes serious eye irritation.
STOT - single exposure	Exposure routes: Inhalation May cause drowsiness or dizziness.

**n-butyl acetate :**

Acute oral toxicity	LD50 Rat: 10.760 mg/kg
Acute inhalation toxicity	LC50 Rat: 23,4 mg/l Exposure time: 4 h Method: OECD Test Guideline 403
Acute dermal toxicity	LD50 Rabbit: > 14.112 mg/kg Method: OECD Test Guideline 402

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Skin corrosion/irritation      Repeated exposure may cause skin dryness or cracking.

STOT - single exposure      Exposure routes: inhalation (vapour)  
May cause drowsiness or dizziness.

**2-methoxy-1-methylethyl acetate :**

Acute oral toxicity      LD50 Rat, female: 8.532 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Product:**

Toxicity to fish      No data available

**12.2 Persistence and degradability****Product:**

Biodegradability      No data available

**Components:****n-butyl acetate :**

Biodegradability      Result: rapidly degradable  
Biodegradation: > 90 %  
Exposure time: 28 d

**12.3 Bioaccumulative potential****Product:**

Bioaccumulation      No data available

**Components:****n-butyl acetate :**

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Partition coefficient: n-octanol/water log Pow: 2,3 Method: OECD Test Guideline 117

**propane :**

Partition coefficient: n-octanol/water log Pow: 2,36

**isobutane :**

Partition coefficient: n-octanol/water log Pow: 2,76

**dimethyl ether :**

Partition coefficient: n-octanol/water log Pow: 0,1

**2-methoxy-1-methylethyl acetate :**

Partition coefficient: n-octanol/water log Pow: 0,43 (20 °C)

**12.4 Mobility in soil****Product:**

Mobility No data available

**12.5 Results of PBT and vPvB assessment****Product:**

Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects****Product:**

Additional ecological information Do not allow product to enter into ground water, bodies of water or sewage systems.

**Components:****n-butyl acetate n-butyl acetate :**

Adsorbed organic bound halogens (AOX) Product does not contain any organic halogens.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste" If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging	Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 11*Paint and varnish waste containing organic solvents or other dangerous substances  (* ) hazardous waste in terms of the European directive 91/689/EEC

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR	1950
IMDG	1950
IATA	1950

### 14.2 Proper shipping name

ADR	AEROSOLS
IMDG	AEROSOLS
IATA	Aerosols, flammable

### 14.3 Transport hazard class

ADR	2.1
IMDG	2.1
IATA	2.1

### 14.4 Packing group

ADR	
Packing group	: Not Assigned
Classification	5F

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Code

Labels 2.1

Tunnel restriction code (D)

## IMDG

Labels 2.1

EmS number F-D, S-U

## IATA

Labels : 2.1

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous no

#### IMDG

Marine pollutant no

### 14.6 Special precautions for user

Remarks This information is not available.

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

Remarks Not applicable

### Additional advice

ADR ADR: Up to 1 l per inner package, transport as limited quantity in accordance with ADR 3.4.

IMDG IMDG: Up to 1 l per inner package, transport as limited quantity in accordance with IMDG Code 3.4.

## SECTION 15: REGULATORY INFORMATION

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

Directive 2010/75/EU 94 %  
735 g/l

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Directive  
2004/42/EC

does not fall under Directive 2004/42/EC

Other regulations Comply with the statutory regulations on health and safety at work.

Take note of Dir 94/33/EC on the protection of young people at work.  
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

## 15.2 Material safety assessment

This information is not available.

### SECTION 16: OTHER INFORMATION

#### Full text of R-phrases referred to under sections 2 and 3:

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

#### Full text of H-Statements referred to under sections 2 and 3.

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Department issuing      sdb@suedwest.de  
MSDS

#### Further information

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.



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Changes from the previous version are indicated by markings in the left-hand margin. The details given in this safety data sheet correspond to our present state of knowledge and conform to both national and EU legislation. The working conditions of the user are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The details given in this safety data sheet describe the safety requirements of our product and do not constitute any assurance of product properties.

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