

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 1180 Scheidel-macs Asur Entlacker
Print date: 26.02.2018 Revision date: 24.11.2015
Version: 2.1 Issue date: 24.11.2015

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

1.1. product identifiers

Article No. (manufacturer/supplier): 1180
Identification of the substance or mixture Scheidel-macs Asur Entlacker
2015 neue Formel

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

Relevant identified uses

For the removal of synthetic resin coatings, oil based paint, thick film glaze, architectural paint.

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Scheidel GmbH & Co. KG

Jahnstraße 38-42

D-96114 Hirschaid

Germany

Telephone: + 49 (0)9543 8426 0

Telefax: + 49 (0)9543 8426 31

Dept. responsible for information:

Lab - Application Technology

E-mail (competent person)

+ 49 (0)9543 8426 19

sicherheit@scheidel.com

1.4. Emergency telephone number

Emergency telephone number

Telephone-daytime: + 49 (0)9543 8426 19

Telephone-at night: + 49 (0)9543 8426 18

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

Skin Irrit. 2 / H315

skin corrosion/irritation

Causes skin irritation.

Eye Irrit. 2 / H319

Serious eye damage/eye irritation

Causes serious eye irritation.

Classification according to Directive 67/548/EEC or 1999/45/EC

The mixture is classified as not hazardous according to Directive 1999/45/EC.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

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

Hazard pictograms



Warning

Hazard statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container to industrial incineration plant.

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contains:

not applicable

Supplemental Hazard information (EU)

not applicable

Labelling (67/548/EEC or 1999/45/EC)

Hazard statements

not applicable

Precautionary statements

38 In case of insufficient ventilation, wear suitable respiratory equipment.
23 Do not breathe vapour.

contains:

not applicable

Special provisions concerning the labelling of certain mixtures

not applicable

2.3. **Other hazards**

SECTION 3: Composition/ information on ingredients

3.2. **Mixtures**

Product description / chemical characterization

Description Solvent mixture, high viscosity

Hazardous ingredients

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

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt % Remark
200-579-1 64-18-6 607-001-00-0	01-2119491174-37-0000 Formic acid Flam. Liq. 3 H226 / Acute Tox. 4 H302 / Acute Tox. 3 H331 / Skin Corr. 1A H314	< 2,5
222-437-8 3470-98-2	17-2120062728-48-0000 N-n-Butylpyrrolidone Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319	10 < 25

Classification according to Directive 67/548/EEC or 1999/45/EC

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt % Remark
222-437-8 3470-98-2	17-2120062728-48-0000 N-n-Butylpyrrolidone Xn; R22 / Xi; R36/38	10 < 25
200-579-1 64-18-6 607-001-00-0	01-2119491174-37-0000 formic acid C; R35	< 2,5

Additional information

Full text of R-phrases: see section 16.
Full text of H-phrases: see section 16.

SECTION 4: First aid measures

4.1. **Description of first aid measures**

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

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Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

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). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Special protective equipment for firefighters

Provide a conveniently located respiratory protective device.

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

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Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 35 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection *

8.1. Control parameters

Occupational exposure limit values:

Formic acid

INDEX No. 607-001-00-0 / EC No. 200-579-1 / CAS No. 64-18-6

WEL, TWA: 9,6 mg/m³; 5 ppm

Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

Formic acid

INDEX No. 607-001-00-0 / EC No. 200-579-1 / CAS No. 64-18-6

DNEL acute inhalative (local), Workers: 19 mg/m³

DNEL acute inhalative (systemic), Workers: 19 mg/m³

DNEL long-term inhalative (local), Workers: 9,5 mg/m³

DNEL long-term inhalative (systemic), Workers: 9,5 mg/m³

DNEL acute inhalative (local), Consumer: 9,5 mg/m³

DNEL acute inhalative (systemic), Consumer: 9,5 mg/m³

DNEL long-term inhalative (local), Consumer: 3 mg/m³

N-n-Butylpyrrolidone

EC No. 222-437-8 / CAS No. 3470-98-2

DNEL long-term dermal (systemic), Workers: 10 mg/kg

DNEL long-term inhalative (systemic), Workers: 70,5 mg/m³

DNEL long-term oral (repeated), Consumer: 2,5 mg/kg

DNEL long-term dermal (systemic), Consumer: 5 mg/kg

DNEL long-term inhalative (systemic), Consumer: 17,5 mg/m³

PNEC:

Formic acid

INDEX No. 607-001-00-0 / EC No. 200-579-1 / CAS No. 64-18-6

PNEC aquatic, freshwater: 2 mg/l

PNEC aquatic, marine water: 0,2 mg/l

PNEC aquatic, intermittent release: 1 mg/l

PNEC sediment, freshwater: 13,4 mg/kg

PNEC sediment, marine water: 1,34 mg/kg

PNEC, soil: 1,5 mg/kg

PNEC sewage treatment plant (STP): 7,2 mg/l

N-n-Butylpyrrolidone

EC No. 222-437-8 / CAS No. 3470-98-2

PNEC aquatic, freshwater: 0,8 mg/l

PNEC aquatic, marine water: 0,08 mg/l

PNEC aquatic, intermittent release: 1 mg/l

PNEC sediment, freshwater: 6,336 mg/kg

PNEC sediment, marine water: 0,6336 mg/kg

PNEC, soil: 0,7955 mg/kg

PNEC sewage treatment plant (STP): 30,62 mg/l

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

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Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number. Suitable respiratory protection apparatus:Combination filter A2/P2

Hand protection

For prolonged or repeated handling the following glove material must be used: KCL Butoject
Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) >480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties *

9.1. Information on basic physical and chemical properties

Appearance:

Physical state Liquid
Colour beige
Odour type typical

Safety relevant basis data	Unit	Method	Remark
Flash point (°C)	100 °C		
Ignition temperature in °C:	370 °C	literature value	
Lower explosion limit	1 Vol-%	calculated	
Upper explosion limit	47,6 Vol-%	calculated	
Vapour pressure at20 °C:	128 mbar	literature value	
Density at20 °C:	1,09 g/cm ³	Pycnometer	
Water solubility (g/L)	partially soluble		
pH at20 °C:	5,00 1,0	pH-electrode	
Viscosity at °C	10000 mPas		

9.2. Other information:

not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information *

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No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Formic acid

oral, LD50, Rat: 730 - 1100 mg/kg

Method: OECD 401

inhalative (vapours), LC50, Rat: 7,85 mg/l (4 h)

Method: BASF Test

N-n-Butylpyrrolidone

oral, LD50, Rat: 300 - 2000 mg/kg

dermal, LD50, Rabbit: > 2000 mg/kg

Irritant and corrosive effects

Formic acid

Skin

Causes severe skin burns and eye damage.

N-n-Butylpyrrolidone

Skin

Causes skin irritation.

eyes: evaluation Causes serious eye irritation.

Sensitisation

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

This product does not contain any chlorinated or aromatic hydrogens. Nevertheless, adopt common precautions when handling organic solvents.

Attention!

Excessive exposure to, for example, with poor ventilation indoors can cause blurry vision. This is reversible with fresh air.

SECTION 12: Ecological information

overall evaluation

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1. Toxicity

Formic acid

Fish toxicity, LC50, Brachydanio rerio (zebra-fish): 130 mg/l (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 365 mg/l (48 h)

Method: OECD 202

Algae toxicity, ErC50, Scenedesmus subspicatus: 1240 mg/l (72 h)

Method: OECD 201

Long-term Ecotoxicity

Formic acid

Daphnia toxicity, NOEC, Daphnia magna (Big water flea): > 102 mg/l (21 D)

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Method: OECD 211

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

N-n-Butylpyrrolidone

Partition coefficient: n-octanol/water: 1,265

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

This product is decomposable in treatment plants with a biological treatment stage. Expert opinion on the biological decomposability is available and can be obtained from us.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste water with paint remover:

Always collect the waste water and run it through a filter, gravel trap, sand trap, etc., in order to remove solid particles. Caution in case of a channel separation system. Obtain information from the relevant authorities. After inquiring with the local authorities, waste water can usually be directed into the sewerage system.

Paint sludge:

The separated paint sludge is considered domestic or special waste (heavy metals?) according to its composition.

List of proposed waste codes/waste designations in accordance with EWC

200129 Detergents containing hazardous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

14.1. UN number

not applicable

14.2. UN proper shipping name

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in

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case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code -

Sea transport (IMDG)

EmS-No. not applicable

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

not applicable

SECTION 15: Regulatory information

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2: 287,536

VOC-value (in g/L) ASTM D 2369: 287,536

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

GISCODE:M-AB20

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Relevant R-and H-phrases (Number and full text):

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Skin Corr. 1A / H314	skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
C; R35	Corrosive	Causes severe burns.
Xn; R22	Harmful	Harmful if swallowed.
Xi; R36/38	Irritant	Irritating to eyes and skin.

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Further information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

* Data changed compared with the previous version