

# Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 16.09.2019

Version: 1.0

Product: **ACESOLVE PUN**

(ID no. 30707611/SDS\_GEN\_00/EN)

Date of print 05.01.2023

## 1. Identification

### Product identifier

## ACESOLVE PUN

Recommended use: solvent(s)

Not recommended use: None known

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

Company:  
Chemetall Pty Ltd.  
5 Seller Road Boksburg East,  
Gauteng, 1459  
SOUTH AFRICA  
Tel: +27 (0) 11-914-2500  
Fax: +27 (0) 11-914-4792  
Email: Dalibor.skalic@basf.com

### Emergency telephone number

International emergency number:  
+49 180 2273-112  
Telephone: +27(0)82-800-9294/+27(0)82-551-5444

## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

Asp. Tox. 1  
STOT RE 1  
Aquatic Chronic 3

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Flam. Liq. 4

For the classifications not written out in full in this section the full text can be found in section 16.

## Label elements

### Globally Harmonized System, UN (GHS)

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H412	Harmful to aquatic life with long lasting effects.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H372	Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary Statements (Response):

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P370 + P378	In case of fire: Use water spray for extinction.
P331	Do NOT induce vomiting.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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## Other hazards

According to UN GHS criteria

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If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/Information on Ingredients

#### Substances

Not applicable

#### Mixtures

##### Chemical nature

surfactants, organic solvent

##### Hazardous ingredients (GHS)

According to UN GHS criteria

Propane, oxybis[methoxy-

Content (W/W): $\geq 10\%$ - $< 12,5\%$	Flam. Liq. 4
CAS Number: 111109-77-4	Acute Tox. 5 (oral)
EC-Number: 404-640-5	H227, H303

Hydrocarbons, C10 - C13, n-alkanes, isoalkanes, cyclics, 2 - 25 % aromatics

Content (W/W): $\geq 50\%$ - $< 75\%$	Asp. Tox. 1
EC-Number: 919-164-8	STOT RE (Central nervous system) 1
REACH registration number: 01-2119473977-17	Aquatic Chronic 3
	Flam. Liq. 4
	H412, H227, H304, H372
	EUH066

For the classifications not written out in full in this section the full text can be found in section 16.

### 4. First-Aid Measures

#### Description of first aid measures

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Immediately remove contaminated clothing. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

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On skin contact:

Wash affected areas thoroughly with soap and water. If symptoms persist, seek medical advice.

On contact with eyes:

Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Seek medical attention.

On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Seek medical attention.

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

Symptoms: Additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam, water spray

Unsuitable extinguishing media for safety reasons:

water jet

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

carbon oxides

### **Advice for fire-fighters**

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## **6. Accidental Release Measures**

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

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Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### **Environmental precautions**

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

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

Ensure adequate ventilation. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

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## **7. Handling and Storage**

### **Precautions for safe handling**

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours may form explosive mixture with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

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

Segregate from oxidants.

Suitable materials for containers: Polyethyleneterephthalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Low density polyethylene (LDPE), High density polyethylene (HDPE), glass  
Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place. Avoid direct sunlight. Protect from frost.

Storage stability:

Storage temperature: 0 - 40 °C

### **Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## **8. Exposure Controls/Personal Protection**

### **Control parameters**

#### Components with occupational exposure limits

No occupational exposure limits known.

### **Exposure controls**

#### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 A)

Hand protection:

nitrile rubber (Buna N)

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Chemical resistant protective gloves (EN 374)

Further information on penetration time is available from the manufacturer of the glove.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

#### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Do not breathe vapour/spray. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

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## **9. Physical and Chemical Properties**

### **Information on basic physical and chemical properties**

Form:	liquid
Colour:	colourless
Odour:	slight odour
pH value:	
	not applicable
Melting point:	< -20 °C
onset of boiling:	> 100 °C
Flash point:	64 °C
Flammability:	Combustible liquid.
Lower explosion limit:	
	not determined

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Upper explosion limit:	not determined	
Ignition temperature:	not determined	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0,850 g/cm <sup>3</sup> (20 °C)	(DIN 51757)
Viscosity, kinematic:	2,000 mm <sup>2</sup> /s (40 °C)	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

### Other information

Self heating ability: It is not a substance capable of spontaneous heating.

Miscibility with water:

Flow time: immiscible  
24 s  
(20 °C) (DIN EN ISO 2431; 3 mm)

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## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

Vapours may form explosive mixture with air.

### Conditions to avoid

Avoid freezing. Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight. Avoid prolonged exposure to extreme heat.

### Incompatible materials

Substances to avoid:  
oxidizing agents

### Hazardous decomposition products

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When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:  
Based on available Data, the classification criteria are not met.

#### Irritation

Assessment of irritating effects:  
Based on available Data, the classification criteria are not met.

#### Respiratory/Skin sensitization

Assessment of sensitization:  
Based on available Data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:  
Based on available Data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:  
Based on available Data, the classification criteria are not met.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
Based on available Data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:  
Based on available Data, the classification criteria are not met.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:  
Based on available Data, the classification criteria are not met.



#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:  
Repeated exposure to small quantities may affect certain organs.

#### Aspiration hazard

May also damage the lung at swallowing (aspiration hazard).

#### Other relevant toxicity information

Assessment indicates this product through repeated exposure may cause skin dryness or cracking

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## 12. Ecological Information

### **Toxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
No data available concerning biodegradation and elimination.

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.  
No data available.

### **Bioaccumulative potential**

Bioaccumulation potential:  
No data available.

### **Mobility in soil**

Assessment transport between environmental compartments:  
Adsorption in soil: No data available.

### **Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance

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fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### Additional information

Adsorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen.

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## 13. Disposal Considerations

### Waste treatment methods

Observe national and local legal requirements.

Waste key:

Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable

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Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Inland waterway transport**

ADN

Not classified as a dangerous good under transport regulations  
UN number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

#### Transport in inland waterway vessel

Not evaluated

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations  
UN number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations  
UN number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

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### Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

## 15. Regulatory Information

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

Not applicable

## 16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Asp. Tox.	Aspiration hazard
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Flam. Liq.	Flammable liquids
Acute Tox.	Acute toxicity
H227	Combustible liquid.
H303	May be harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H372	Causes damage to organs through prolonged or repeated exposure.
EUH066	Repeated exposure may cause skin dryness or cracking.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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