



# Safety Data sheet (SDS)

Revision Date: 2018/10/10  
Name: Antkote<sup>®</sup> 2025

NO. OHPA\_2025  
Version: 01

---

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

---

**Product Name:** Antkote<sup>®</sup> 2025

**Additional Name:** Hydroxyfunctional polyacrylic dispersion

**Company Name:** Wanhua Chemical Group Co., LTD

**Address:** No.17, Tianshan Rd, YEDA, Yantai, 264006, China

**Telephone:** 0086-535-3388160

**Fax:** 0086-535-6875138

**Emergencies Telephone:**

WANHUA +86 535-8203123

China +86 532-83889090

EU +31 20 20 65132/65130、+44 780 183 7343

NA 800-424-9300、+1-703-527-3887

**Recommended uses:**

It can be used for waterborne two-component coatings in combination with polyisocyanates or other crosslinkers ,or waterborne one component baking coatings in combination with amino resins or blocked polyisocyanates.

---

## Section 2 - HAZARDS IDENTIFICATION

---

**GHS Classification of the substance or mixture**

Skin Corrosion/Irritation Category3

**Label elements**

**Pictogram :** Not Applicable

**Signal words:** WARNING

**Hazard statements:**

H316 Causes mild skin irritation.

**Precautionary statements:**

**Preventive measures:**

Use the necessary personal protective equipment (gloves, goggles, protective clothing etc.). Clean the exposed parts of the body in case of skin contact. No eating, drinking or smoking in the workplace. Use only outdoors or in a well-ventilated area.

**Accident response:**

If inhaled: In case of reactions, seek medical advice.

In case of eye or skin contact: Wash with plenty of water/soap. In case of reactions, consult a physician.

If swallowed: Rinse mouth. Do not induce vomiting. If swallowed seek medical advice immediately.

In case of leakage: Collect leakage.

Suitable extinguishing substances: Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder, Water spray jet.

**Storage:**

Please store the product in sealed original packaging, cool and dry condition. Storage

temperature should be maintained between 5°C and 35°C. The product should be protected from freezing during storage. Immediately seal the package after use.

**Disposal:**

In order to avoid the damage to human body and environment, do not store food and other items in the used empty packaging without harmless treatment; Recycling, utilization and disposal packaging should be in accordance with the applicable legislation. The disposer should be response for the damage and loss caused by improper waste disposal.

**Physical and chemical hazards:** May cause pollution to water and soil.

**Health hazard:** No

**Environmental hazards:** no release of dangerous substances. Do not allow to enter sewage system in case of blockage due to polymer deposition.

---

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/mixture :** Mixture

Ingredient	Concentration	CAS No.
Polyacrylate containing hydroxylgroups	42-44%	N/A
1-Butoxy-2-propanol	3.5%	5131-66-8
Butyl diglycol	3.5%	112-34-5
Water	49-51%	7732-18-5

There is no GHS hazards classification for Polyacrylate containing hydroxylgroups

The following substances are precautionary mentioned.

Neutralizing agent, bound as a salt:

2-dimethylaminoethanol Concentration [wt-%]: < 2%

CAS-No.: 108-01-0 Index-No.: 603-047-00-0 EC-No.: 203-542-8

Classification (1272/2008/EC): Flam. Liq. 3 H226; Acute Tox.4 Inhalative H332;Acute Tox.4 Dermal H312; Acute Tox.4 Oral H302; Skin Corr. 1B H314; Eye Dam. 1 H318; STOT SE 3 H335

Specific threshold concentration (GHS): STOT SE 3 H335 >=5%

---

### Section 4 - FIRST AID MEASURES

#### Description of first aid measures

General advice: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

If inhaled: No special measures are necessary. In case of irritation, seek medical advice.

In case of skin contact: Wash with plenty of water/soap. In case of skin reactions, consult a physician.

In case of eye contact: Rinse cautiously with water for at least 20 minutes. Tilt the head in order to avoid contact with the other eye. Contact an ophthalmologist.

If swallowed: In all cases of doubt, or when symptoms persist, seek medical advice immediately.

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

Symptoms: May cause irritation by skin contact.

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

Immediate medical attention: First Aid, decontamination, treatment of symptoms.

---

**Section 5 - FIRE FIGHTING MEASURES**

---

**Extinguishing media**

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder, Water spray jet

In case of major fire and large quantities: Water spray jet, alcohol resistant foam

Co-ordinate fire-fighting measures to the fire surroundings.

**Advice for firefighters**

Firefighters have to wear self-contained breathing apparatus.

**Hazards during fire-fighting**

Carbon monoxide, Carbon dioxide, Oxynitride.

---

**Section 6 - ACCIDENTAL RELEASE MEASURES**

---

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

Personal precautions Use personal protection equipment. Keep unauthorized persons away.

**Environmental precautions**

Do not empty into drains.

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

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

**Reference to other sections**

Reference to other sections Safe handling: see section 7

Personal protection equipment: see section 8

**Disposal:** see section 13

---

**Section 7 - HANDLING AND STORAGE**

---

**Control parameters**

The product does not contain any relevant quantities of materials with critical values that have to be mentioned at the workplace.

**Handling**

The precautions required in the handling of solvents must be taken. Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product. Explosion protection required.

**Storage**

The product will keep stable for 6 months when stored in its sealed original packaging at temperatures between 5°C and 35°C. Storage at temperatures below 5°C will make the product frozen and cause irreversible damage. The product should therefore be protected from freezing during storage. Temperatures higher than 35°C should be avoided in order

to prevent the evaporation of water, which will result in the formation of a non-redispersible polymer film.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure controls

**Respiratory protection:** Respiratory equipment required in insufficiently ventilated working areas and during spraying.

**Hand protection:** Suitable materials for safety gloves; EN 374:

Butyl rubber – IIR: thickness  $\geq 0.5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

**Recommendation:** contaminated gloves should be disposed of.

Conditionally suitable materials for protective gloves; EN 374:

Nitrile rubber – NBR ( $\geq 0.35\text{mm}$ )

Breakthrough time not tested; dispose of immediately after contamination.

**Eye protection:** Wear eye/face protection.

**Body protection:** Wear suitable protective clothing.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Status	liquid	
Appearance	Milky white	
Water Solubility	Misible	
Odour	Slight inherent odour	
Flammability	No	
Vapour pressure (kPa)	Not established	
pH	7.0-9.0	
Partition coefficient n-octanol / water (log <sub>KOW</sub> )	Not established	
Flash point (°C)	>93	
Density (g/cm <sup>3</sup> )	1.05 at 20 °C	
Upper Explosive Limit[%(v/v)]	Not applicable	
Lower Explosive Limit[%(v/v)]	Not applicable	
Boiling point (°C)	Not established	
Explosive properties	Not applicable	
Auto-ignition temperature (°C)	Not applicable	
Decomposition temperature	Not established	
Oxidising properties	Not applicable	
Volatile substance	1-Butoxy-2-propanol, Butyl diglycol, 2-dimethylaminoethanol	
Molecular weight(g/mol)	Not established	
Vapour density (Air = 1)	Not established	
Relative density (Water = 1)	1.05	
Viscosity, dynamic	500 – 4000 mPa.s at 25 °C	
VOC (g/l)	Not established	

**9.2 Other information**

The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

**Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION****10.1 Stability**

No decomposition when used and stored properly.

**10.2 Materials to avoid**

Acids, bases and electrolyte solution.

**10.3 Conditions to avoid**

Strong light, high temperature and low temperature.

**10.4 Hazardous decomposition products**

On drying of the coating release of neutralizing agent.

**Section 11 - TOXICOLOGICAL INFORMATION**

Toxicological studies on the product are not yet available.

**Polyacrylate containing hydroxylgroups:**

TOXICITY:

Not available

IRRITATION:

Not available

**1-Butoxy-2-propanol:**

TOXICITY:

dermal (rat) LD50: >2000 mg/kg<sub>[1]</sub>

Inhalation (rat) LC50: >1997.718 mg/l/8hE

Oral (rat) LD50: >2000 mg/kg

IRRITATION: Eye (rabbit): Not Available

**Butyl diglycol:**

TOXICITY:

dermal (rat) LD50: >2000 mg/kg

Oral (rat) LD50: =4500 mg/kg

IRRITATION: Eye (rabbit): Not Available

**Section 12 - ECOLOGICAL INFORMATION****Toxicity:**

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Antkote® 2025	Not Available	Not Available	Not Available	Not Available	Not Available
<b>Polyacrylate containing hydroxylgroups</b>	Not Available	Not Available	Not Available	Not Available	Not Available
<b>1-Butoxy-2-propanol</b>	Not Available	Not Available	Not Available	Not Available	Not Available

<b>Butyl diglycol</b>	LC50	96	Fish	1300mg/L	4
	EC50	48	Crustacea	>100mg/L	1
	EC50	96	Algae or other aquatic plants	>100mg/L	1
	NOEC	96	Algae or other aquatic plants	>=100mg/L	1

**Persistence and degradability:**

Ingredient	Persistence: Water/Soil	Persistence: Air
<b>1-Butoxy-2-propanol</b>	Low	Low
<b>Butyl diglycol</b>	Low	Low
<b>Water</b>	Low	Low

**Bioaccumulative potential:**

Ingredient	Bioaccumulation
<b>1-Butoxy-2-propanol</b>	LOW (LogKOW = 0.9842)
<b>Butyl diglycol</b>	LOW (BCF = 0.46)
<b>Water</b>	LOW (LogKOW = -1.38)

**Mobility in soil:**

Ingredient	Mobility
<b>1-Butoxy-2-propanol</b>	HIGH (KOC = 1.289)
<b>Butyl diglycol</b>	LOW (KOC = 10)
<b>Water</b>	LOW (KOC = 14.3)

**Section 13 - DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Disposal considerations:** Do not dispose of with household waste. Do not allow to enter drains. Dispose of waste according to applicable legislation.

**Uncleaned empty packaging:** Handle contaminated packages in the same way as the substance itself.

**Suitable cleaning agents:** Water (with cleaning agent). Retain contaminated washing water and dispose it.

**Section 14 - TRANSPORTATION INFORMATION****ADR/RID**

14.1 UN number	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods
14.3 Transport hazard class	Not dangerous goods

14.4 Packing group Not dangerous goods

14.5 Environment hazards Not dangerous goods

---

### **ADN**

---

14.1 UN number Not dangerous goods

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class Not dangerous goods

14.4 Packing group Not dangerous goods

14.5 Environment hazards Not dangerous goods

---

### **IATA**

---

14.1 UN number Not dangerous goods

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class Not dangerous goods

14.4 Packing group Not dangerous goods

14.5 Environment hazards Not dangerous goods

---

### **IMDG**

---

14.1 UN number Not dangerous goods

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class Not dangerous goods

14.4 Packing group Not dangerous goods

14.5 Environment hazards Not dangerous goods

---

### **14.6 Special precautions for user**

See section 6-8.

Additional information : Not dangerous cargo.

Avoid heat above 35°C or lower than 5°C, stay away from food, acids and bases. According to the latest IATA DGR, this product is not dangerous.

### **Section 15 - REGULATORY INFORMATION**

---

15.1 The product is classified and labeled according to Regulation (EC)No. 1272/2008

---

(GHS/CLP).

15.2 Safety, health and environmental regulation/legislation specific for the substance or mixture Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances.

Not applicable

---

## **Section 16 - OTHER INFORMATION**

---

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guideline for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.