



淮安市上研化工有限公司

**MATERIAL SAFETY DATA SHEET****Part 1 Chemical product and company information****Product name:** AMORSO-7431**Manufacturer:** AMORSO.INC**ADD:** 2F, building D, Dibao Industrial Park, No. 1188, Hongqiao Road, Yushan Town, Kunshan City,**Jiangsu Province****POST CODE:** 215300**TEL:** 0512-57758550**FAX:** 0512-57508876**Valid date:** August 26th 2020**Part 2 Chemical Composition**

Chemical name	CAS No.	Intensity (%)
Absolute ethyl alcohol	64-17-5	4.48-13.48
Ethylene glycol butyl ether	111-76-2	11.35~31.35
Died propylene glycol methyl ether	34590-94-8	2.8-22.8

**Product form:** Hyperbranched polyester polymer**Part 3 Hazard Overview**

**Emergency:** Stay away from high temperature, spark, flame, strong oxidizer, Avoid contacting eyes and skin for long time, Keep the container sealed, operate under well ventilated condition, carefully wash after usage.

**Invading method:** Breathing in, swallowing, skin contact.

**Eye:** Direct contact of the product or other vapor may harm the eyes.

**Skin:** Long time contact with the skin may lead to dry skin, itch and chafing.

**Breathe in:** Breathing in product vapor may slightly stimulate nose and throat.

**Swallow in:** May cause damage to health.

**Part 4 Emergency treatment**



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Eye:	If contact with eyes by accident, use water to wash at least 15 minutes and keep eyes open, seek medical treatment.
Skin:	If contact with eyes by accident, use clean cloth to swap and use soap and water to clean the tainted area.
Breathe in:	If breathe in high intensity by accident, get way and move to fresh air space, take oxygen therapy if serious, if the breath stops, take artificial breath at once and see professional medical treatment.
Swallow in:	Do not feed anything into the patient's mouth unless professional medical staff require a vomit, if the patient is clearheaded, let him/her to wash the mouth. Loosen the patient's collar, tie, belt and send him/her to hospital.
Signs of infection and symptom:	Breath uncomfourt or occasional dizzy, itch for the contact area
Health harm effect:	No formal medical report so far.

## Part 5 Fire precaution measures

Situations to avoid :	No use of fire in operation; No equipment that is easy to trigger sparks and high temperature around the barrel.
Ways to put out the fire :	Dry powder, foam and CO <sub>2</sub> fire extinguisher

## Part 6 Accidental release measures

Measures to take in leakage:	NO FIRE, isolate flame source and close the leakage source, use cloth or saw powder to cover and erase, place into trash tank, do not contact with the leakage, do not pour into the sewer.
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## Part 7 Handling and storage

Operation:	Wear protective suits if the condition allows, provide good ventilated equipment, do not eat, drink, smoke during work to avoid contact with the skin and eyes. Use soap and water to clean after work.
Storage:	Do not store in place where children can easily get access, keep the room dry and cool, keep ventilated and away from fire source(sparks and flame), keep sealed before usage.
Warranty:	12 months after production

## Part 8 Contact control and personal protection



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Engineering control:	Keep the vapor's intensity in the air lower than the standard value by providing ventilation equipment or other method, make sure there are eye washing equipment and bathing equipment to access.
Respiratory prevention control measures:	Use qualified masks or toxic resistant mask if the vapor's intensity can not be reduced by the ventilation equipment in the operation area.
Skin protection measures:	Using synthetic rubber or rubber gloves can effectively prevent the skin from contacting with the product.
Eyes protection measures:	Wear protective glasses.
Sanitation measures:	Wear protective gear, wash hands once finishing the operation.

## Part 9 Physical and chemical features

Appearance:	light liquid
Boiling point:	170. 8℃
Flash point:	62℃

## Part 10 Stability and reactivity

Stability:	Stable
Situation to avoid:	Avoid contacting with metal, such as aluminum, copper and copper product
Harmful compound:	Will react with strong acid to release heat

## Part 11 Toxicological information

Chronic toxicity:	May cause damage to skin, eyes and systema nervorum centrale
Other toxicity:	Breathe in the vapor may be harmful to health. Skin contact or swallowing in may be harmful to health.

## Part 12 Ecological information

Eco-toxicity:	Not applicable
Biodegradability:	Not applicable
Bio-accumulation:	Not applicable

## Part 13 Disposal considerations



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Waste processing method: Hand it to a licensed waste processing company to process.

**Part 14 Transportation information**

Package: 25KG barrel or custom made

Transportation precaution: Comply to the state regulations on transport of dangerous goods.

**Part 15 Administrative information**

Applied laws: General Rules for Hazardous Substances and Dangerous Goods

**Part 16 Miscellaneous information**

Used in industry

The MSDS data and specification is only for reference, AMORSO does not hold responsibility, but user still needs to consider above suggestions to see if it is appropriate and suitable for their usage.