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Technical Data Sheet

Sodium dehydroacetate

Product Information

Chemical Name	Sodium dehydroacetate
CAS #	4418-26-2
EINECS	224-580-1
Formula	C8H7NaO4
Molecular Weight	190.13
Synonyms	Sodium 1-(3,4-dihydro-6-methyl-2,4-dioxo-2H-pyran-3-ylidene)ethanolate
Chemical Structure	

Physical Properties

Appearance	White or Almost White Powder
Boiling Point	332.6°C at 760 mmHg
Melting Point	295°C
Flashing Point	150.6°C
Vapor pressure	0.000144mmHg at 25°C

Specification

<u>Items</u>	<u>GB25547-2010</u>	<u>FCC V</u>
Appearance	White or Almost White Powder	White Powder
Identification	Passes the test	/
Assay (On dry Basis)	98.0~100.5%	98.0~100.5%
Moisture	8.5-10.0%	8.5-10.0%

Free Alkalinity	Passes the test	Passes the test
Chloride (as Cl)	$\leq 0.011\%$	$\leq 0.011\%$
Arsenic (as As)	$\leq 3\text{mg/kg}$	$\leq 3\text{mg/kg}$
Heavy Metals (as Pb)	$\leq 2\text{mg/kg}$	$\leq 2\text{mg/kg}$

Safety

Sodium dehydroacetate is a stable material, not dangerous on transportation.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) Used as food additives, preservatives, fungicides. Anti-corrosion, anti-mold preservatives for food..
- 2) This product has a broad-spectrum antibiotic action, strong bacteriostatic capability. It has wide range for bacteriostasis and is not affected by pH values. Whatever under acidic, neutral and alkaline condition, it has good effect and strong inhibition capacity especially for mold, yeast and bacteria, and the concentration of effective working is low. And heat resistance and light resistance is good, it will not be decomposed and evaporated with steam during food produced. The testing proved that sodium dehydroacetate is almost nontoxic and safe. No abnormal flavor produce from the process of using in food, so it can prevent from rancidness, obviously extend the storage time.

Packaging

25kg per drum, packed in fiber drum and two plastic bags inside;
25kg per bag, packed in paper-plastics compound sacks;
20kg per box, packed in carton box and two plastic bags inside

Storage & Handling

Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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