

Material security data sheet (MSDS)

1、 Chemical&Company ID

Chinese name of the product	乙酰基柠檬酸三丁酯
English name of the product	Tributyl acetocitrate (ATBC)
Company	Shanghai potomer international Co.,Ltd.
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Tentative date	2011-10-11
Revision Date	2011-10-24
Recommend & Limited usage	Plasticizer

2、 Summary of hazard

Classified of GHS

Hazard of physics & chemistry : no data

Hazard to healthy: no data

Hazard to environment: no data

3、 composition/component information

straight product /mixture: mixture

Chemical agents	content	CAS NO
Tributyl acetocitrate	≥99.0%	77-90-7

4、 First aid measures

Skin contact: remove the polluted clothes and wash the body with flowing brabch water

Eye contact: raise eyelids, wash the eyes with flowing brabch water or normal saline and go to see the doctor

Breathe in : break away from the scene to the fresh air,keep the respiratory passage smooth,if can't breath easily, give the wounded oxygen。 If they are breathless , use artificial respiration and go to see the doctor。

Eat : drink some warm water , emetic and go to see the doctor .

Fire fighting measures

Dangerous property: burning when mets open fire or high tempreture,will react with oxidant.when meets high fever will release poisonous gas .when the tempreture is high ,the container may crack or explode .

Extinguishing method: move the container from the fire to the wide place , cooling the container by cold water until the fire is put out 。 If the colour of the container changed or there is noisy from the safety relief device ,the container must be moved !

Emergency treatment of leakage

Emergency treatment : move the people to the safe place from the polluted place as soon as possible , and separate , restraint ingress and egress .cut off the fire 。 suggest the emergency person wear self-contained breathing apparatus, wear general job work cloths , don't touch the leakage directly , cut off the source of leaks , avoid to entering to the sewers or tidal channel ,if the leakage is little , sorption with sandy soil , if it is much , deal it by digging a hole ,

5、 Operation and storage

Operation attentions : operation :

The container must be carefully operated ,open .

No food or drink when operating

Avoid contacting with eyes

wash the eyes with flowing brabch water or normal saline and go to see the doctor

remove the polluted clothes and wash the body with flowing brabch water。

techniques countermeasure :

there must be electrostatic discharge preventer in the operating area
no high temperature things and fire around electrical instrument class must be explosion-proof ones

can't wear contact lens when working

must wear protective spectacles and protective mask

wash hand and eyes after operating

storage attentions :

store in the shady and cool storeroom

far away fire and heat source

avoid direct sunlight

keep the container sealed

separate with oxygenate

there must be all kind of fire-fighting equipment

6、 Contact control /individual protective

Engineering cybernetics : keep sealed in the productive process , general ventilation .

Breathing system protective : when the concentration is high , must wear filter

Eyes protective : wear chemical safety goggles

Body protective : wear permeable protective clothing

Hand protective : wear latex gloves

Other protective No food or drink and no smoking when working, wash completely ,keep good health habit

Physical and chemical properties

Appearance and description : Transparency oily liquid, no visible impurity

Melting point (°C): -59

Boiling point (°C): 327

Relative density (water =1): 1.046

Vapor pressure(kPa):

Flashing point (°C)≥: 204

Ignition temperature (°C):

7、 Stability & reactivity

Stability : it is steady when normally use and store

Hazardous dangerous in specific condition : no

Harmful decomposition products: no

8、 Toxicology information

Acute toxicity: LD50: 15000 mg/kg

Subacute and chronic toxicity: no

Particial impact :

Skin irritation :

Eye irritotion :

Variability :

test with microorganism, uro normal

carcinogenicity:

RTP no

IARC no

OSHA no

9、 Ecology information

persistent/decomposability: ahistoric

non-biological degradability: ahistroric

10、 Waste treatment

The container and the packing must be wasted in safty method

Rejected material:

the product can't be blowdown into the drain before disposed

Internal treatment situation :

the combustion treatment equipment must be suitable , there may be poisonous gas when buring , the burner should have tracedown equipment .

Delegation situation the rejected is dangerous waste , must know clearly what is contained in the waste , sign agreement with the department and didpose the waste ,

Transport information

Transport by road : load and transport the product keeping the law

Marine transport : load and transport the product keeping the law

Transport by air : load and transport the product keeping the law

Special safety condition : take protective equipment and fire extinguisher

11、 Law information

Hazardous material safety control rules (2002/ 3/15, Decree of the State Council (344#)) : lay down laws about the product 、usage 、storage 、load and unload of the hazardous material .

Label and the name code of the hazardous material (GB6944-2005) : fix the Label and the name code of the hazardous material,suitable for the product 、usage 、storage 、load and unload of the hazardous material .

The rules of hazardous material transport package (GB/T 15098-94): set the rules of the transport package, suitable for the the product、storage、transport and test the package.

Sort and sign of the common using hazardous material (GB 13690-92):sort by the hazard indentification and fix the sign of the package.

The content of the Security technology specification and ranking of project of the chemical (GB/T 16483-2008)

Rules of the lable to GHS (GB/T 22234-2008)

12、 Other information

Filling date	2010.03.24
Filling department	Technical inspection department of Psticizer
Data examine department	HIC kabuskiki kaisha
Description of amend	refer to "MSDS"

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