



**Ethyl butylacetylaminopropionate (cas : 52304-36-6)MSDS**

**Section 1- Chemical Product and company identification**

**1.1 Product name:** ETHYL BUTYLACETYLAMINOPROPIONATE

The formulated product is to be applied on exposed skin

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Insect repellents raw material

**1.3 Details of the supplier of the safety data sheet**

Company :Shanghai Orient Chemical Co.,Ltd.  
Room 401, 403 Haibao Building, No. 3615 Gonghexin Road  
Jing'an District, Shanghai city, China, 200435

Telephone : + 8 6 - 2 1 - 5 6 9 8 0 8 9 8

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**Section 2- Compositiion, Information on Ingredients**

**2.1 Chemical Name :**ETHYL BUTYLACETYLAMINOPROPIONATE

**2.2 Synonyms :**IR3535., AI 3-70763, EBAAP, ethyl 3-(N-butylacetamido)propionate,

**2.3 CAS number:**52304-36-6

**Section 3- Hazards Identificatioin**

**EMERGENCY OVERVIEW**

**3.1 Appearance:**Colorless ot light yellow liquid.

**Caution!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

**3.2 Target Organs:** No data found.

**3.3 Potential Health Effects**

**3.4 Eye:** May cause eye irritation.

**3.5 Skin:** May cause skin irritation.

**3.6 Ingestion:** May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**3.7 Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

**3.8 Chronic:** No information found.

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## **Section 4- First Aid Measures**

**4.1 Eyes:** Flush eyes with plenty of water for at least 15 minutes

**4.2 Skin:** Flush skin with plenty of water for at least 15 minutes

**4.3 Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**4.4 Notes to Physician:** Treat symptomatically and supportively.

## **Section 5 - Fire Fighting Measures**

**5.1 Extinguishing Media:** use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**5.2 Flash Point:** Not applicable.

**5.3 Autoignition Temperature:** Not applicable.

**5.4 Explosion Limits, Lower:**Not available.

**5.5 Upper:** Not available.

## **Section 6 - Accidental Release Measures**

**6.1 General Information:** Use proper personal protective equipment.

**6.2 Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

## **Section 7 - Handling and Storage**

**7.1 Handling:** Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**7.2 Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **Section 8 - Exposure Controls, Personal Protection**

**Based on the application methods, the potential for dermal, eye, and inhalation**

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**exposure to this product is minimal to nonexistent for applicators and handlers**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

## **Section 9 - Physical and Chemical Properties**

**9.1 Physical State:** colorless or light yellow liquid

**9.2 Melting point:** below -20 °C

**9.3 Solubility in water:** 70 ± 3 g/l at 20°C

**9.4 Flash point:**159C

**9.5 Odor:** Odorless

**9.6 pH:** Not available.

**9.7 Molecular Formula:** C<sub>11</sub>H<sub>21</sub>NO<sub>3</sub>

**9.8 Molecular Weight:** 215.3

## **10 STABILITY AND REACTIVITY**

### **10.1 Reactivity**

no data available

**10.2 Chemical stability** no data available

**10.3 Possibility of hazardous reactions** no data available

**10.4 Conditions to avoid** no data available

### **10.5 Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents

### **10.6 Hazardous decomposition products**

**10.7 Other decomposition products** - no data available

## **Section 11 - Toxicological Information**

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Adequate mammalian toxicology data are available and support registration of the active ingredient. The required acute mammalian toxicology studies have been submitted. The data indicate that the active ingredient has an acute oral LD<sub>50</sub> >12600 mg/kg in rats (Toxicity Category IV), an acute dermal LD<sub>50</sub> >4640 mg/kg in rats (Toxicity Category III), a dermal irritation study in rats (Toxicity Category IV), an acute inhalation LC50 > 10000mg/m<sup>3</sup>, for a four hour exposure in rats (Toxicity Category IV}, and the primary eye irritation study in rabbits, (Toxicity Category II). It is not a sensitizer. The triggers for submitting additional toxicology studies were not met.

**11.1 Epidemiology:** No information found.

**11.3 Reproductive Effects:** No information found.

**11.4 Mutagenicity:** No information found.

**11.5 Neurotoxicity:** No information found.

**11.6 Other Studies:** N/A

## **Section 12 - Ecological Information**

### **12.1 Toxicity**

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 2300 mg/l - 96,0 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 150mg/l - 48 h

**12.2 Persistence and degradability** no data available

**12.3 Bioaccumulative potential** no data available

**12.4 Mobility in soil** no data available

**12.5 Results of PBT and vPvB assessment** no data available

**12.6 Other adverse effects**

Harmful to aquatic life.

## **Section 13 - Disposal considerations**

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**Waste treatment methods Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**Section 14 - Transport Information**

**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**14.4 Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user no data available**

**Section 15- Regulatory Information**

Domestic chemical safety management regulations: chemical dangerous goods safety management regulations (promulgated by the State Council on February 17, 1987), the chemical dangerous goods safety management regulations, implementing rules (change law is sent [1992] 677), using chemicals workplace safety regulation (no. 423 [1996] labor department is sent) such as laws and regulations, for the safe use of hazardous chemicals, production, storage, transportation, loading and unloading, etc, have made the corresponding provisions.

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

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no data available

**15.2 Chemical Safety Assessment**

no data available

**Section 16- OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be

used only as a guide. The information in this document is based on the present state of our knowledge

and is applicable to the product with regard to appropriate safety precautions. It does not represent any

guarantee of the properties of the product.