

MUSASHINO CHEMICAL (CHINA) CO., LTD.
Add: No.66 Chunfeng Rd. Economic & Technological
Development Zone of Yichun, Jiangxi. 336000 China
Tel: +86-795-3156288 3156289 Fax: +86-795-3156287
http://www.china-musashino.com

MATERIAL SAFETY DATA SHEET

D-ALANINEMSDS NO.012

SECTION 1- MATERIAL/COMPANY IDENTIFICATION

Chemical Name D-Alanine

Company Name Musashino Chemical (China) Co., Ltd.

Address No.66 Chunfeng Rd. Economic & Technological Development

Zone of Yichun, Jiangxi. 336000 China

Charge Department for MSDS Safety Management Department

 Responsibility for MSDS
 Fan Gui-Zeng

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 +86-795-3196986

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 +86-795-3156282

SECTION 2- HAZARDS IDENTIFICATION

Hazards Not applicable

SECTION 3- COMPSITION/INFORMATION ON INGREDIENTS

Chemical name D-Alanine

Formula CH₃CH(NH)COOH

Molecular Weight 89.1 CAS NO. 338-69-2

SECTION 4- FIRST AID MEASURES

Skin contact Immediately remove all contaminated clothing, including

footwear. Flush skin and hair with plenty of water or tepid water.

Eye contact Immediately hold eyelids apart and flush eyes with plenty of

water at least 15minutes. If irritation persists, call a physician.

SECTION 5- FIRE FIGHTING MEASURES

Fire extinguish Use water spray or extinguishing media

Extinguishing media Carbon dioxide(CO₂), foam

Hazards Not applicable

SECTION 6- ACCIDENTAL RELEASE MEASURES

Methods for cleaning up Place spilled material in clean, dry, sealable, labeled container

Clean up the leaked place with plenty of water.



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SECTION 7- HANDLING AND STORAGE

Handling Keep the container well when handling. Handle the materials on

clean clothes and in a cleaned room. Avoid dust formation.

Storage Keep container tightly closed. Keep in properly labeled

containers. Store in areas shielded the light, and below room temperature. Keep away from strong acids and strong oxidizers.

Packaging material Plastic containers, Paper drum with plastic liner.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment Wear personal protective equipment. Avoid contact with skin

and eyes.

Hygiene measures Set up safety shower, hands washer and eyes washer nearby

handling the materials. Indicate the positions distinctly. When

using, do not eat, drink or smoke. Remove and wash

contaminated clothing before re-use.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance White powder or granular

Melting point 289~291 ℃

Solubility Water 164.0g/L (25°C)

SECTION 10- STABILITY AND REACTIVITY

Stability Stable

Materials to avoid Avoid oxidizing agents, acid.

Hazardous decomposition

products

Carbon oxides

SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity LD50: >7870 mg/kg bw. (mouse, ivII)

LD50: 4700 mg/kg bw

Tumorigenic effects Not applicable

SECTION 12- ECOLOGICAL INFORMATION

Solubility Good

Chemical Oxygen Demand 0.01 g O₂/g

(COD)

Biological Oxygen Demand 0.71 g o

0.71 g O₂/g

(BOD)

SECTION 13- DISPOSAL CONSIDERATIONS



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Contaminated packaging Decontaminate empty containers with water, dilute with water

and flush to waste system. Recycle containers if possible.

Further information Treatment, storage, transportation, and disposal must be in

accordance with local regulations.

SECTION 14- TRANSPORTATION INFORMATION

Label the package and mark the products name, lot number, Packing Information

weight etc.

Delivery man should bring the MSDS. Avoid the package Other information

damaged ,material let out and dangerous behavior such as

falling.

SECTION 15- REGULATORY INFORMATION

Not applicable

SECTION 16- OTHER INFORMATION

Revision Date

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