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Web:www.yacoo.com.cn
E-mail:sales@yacoo.com.cn

Material Safety Data Sheet

SECTION 1:CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name：CAPS

Company: Suzhou YACOO Science Co., Ltd.

Address: No.128,FangZhou Road,Suzhou Industral Park,China

Tel：0512-87182055

Fax：0512-87182056

SECTION 2: Hazards identification

Summary of emergency
powder white After inhalation: fresh air. In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. After eye contact: rinse out with plenty of water., Remove contact lenses. After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire. Violent reactions possible with:, Strong oxidizing agents

2.1GHS Classification
Not a hazardous substance or mixture.
2.2GHS Label elements, including precautionary statements
Not a hazardous substance or mixture.
2.3Physical and chemical hazards
Referring to current information, no physical or chemical hazard.
2.4Health hazards
Referring to current information, no health hazard.
2.5Environmental hazards
Referring to current information, no environmental hazard.
2.6Other hazards - none

SECTION 3: Composition/information on ingredients

Substance / Mixture: Substance
3.1Substances
Synonyms: 3-(Cyclohexylamino)-1-propanesulfonic acid

Formula: C9H19NO3S
Molecular weight: 221.32 g/mol
CAS-No.: 1135-40-6
EC-No.: 214-492-1
No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures
4.1Description of first-aid measures If inhaled
After inhalation: fresh air.
In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
In case of eye contact
After eye contact: rinse out with plenty of water. Remove contact lenses.
If swallowed
After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
4.2Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3Indication of any immediate medical attention and special treatment needed
No data available
4.4Notes to physician
No data available

SECTION 5: Firefighting measures
5.1Extinguishing media Suitable extinguishing media
Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.
5.2Special hazards arising from the substance or mixture
Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.
5.3Advice for firefighters
In the event of fire, wear self-contained breathing apparatus.
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures
6.1Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.
6.2Environmental precautions
Do not let product enter drains.
6.3Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
6.4Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage
7.1Precautions for safe handling
For precautions see section 2.2.
7.2Conditions for safe storage, including any incompatibilities Storage conditions
Discard one month after opening.Tightly closed. Dry.
Storage class
Storage class (TRGS 510): 11: Combustible Solids

SECTION 8: Exposure controls/personal protection
8.1Control parameters
Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.
8.2Exposure controls
Appropriate engineering controls
Change contaminated clothing. Wash hands after working with substance.
Personal protective equipment Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Skin protection
This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:KCL 741 Dermatril® L
Splash contact Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:KCL 741 Dermatril® L

Respiratory protection
required when dusts are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
Do not let product enter drains.

SECTION 9: Physical and chemical properties
9.1Information on basic physical and chemical properties
a)Physical state powder
b)Color white
c)Odor No data available
d)Melting point/freezing point Melting point/range: > 300 ° C - lit.
e)Initial boiling point and boiling range No data available
f)Flammability (solid, gas) No data available
g)Upper/lower flammability or explosive limits No data available
h)Flash point No data available
i)Autoignition temperature No data available
j)Decomposition temperature No data available
k)pH 3.0 - 7.0
l)Viscosity
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
m)Water solubility 184 g/l at 20 ° C - soluble
n)Partition coefficient: n-octanol/water
log Pow: < 0.3 at 25 ° C - Bioaccumulation is not expected.
o)Vapor pressure No data available
p)Density 1.30 g/cm3 at 20 ° C - OECD Test Guideline 109
Relative density No data available
q)Relative vapor density No data available
r)Particlecharacteristics No data available
s)Explosive properties No data available
t)Oxidizing properties No data available
9.2Other safety information
No data available

SECTION 10: Stability and reactivity
10.1Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .
10.2Possibility of hazardous reactions Violent reactions possible with: Strong oxidizing agents

10.3Conditions to avoid
no information available
10.4Incompatible materials
No data available
10.5Hazardous decomposition products
In the event of fire: see section 5

SECTION 11: Toxicological information
11.1Information on toxicological effects Acute toxicity
LD50 Oral - Rat - female - > 2,000 mg/kg
(OECD Test Guideline 420)
Inhalation: No data available

LD50 Dermal - Rat - male and female - > 2,000 mg/kg
(OECD Test Guideline 402)

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
Eyes - Bovine cornea
Result: No skin irritation - 4 h
(OECD Test Guideline 437)

Respiratory or skin sensitization
Local lymph node assay (LLNA) - Mouse
Result: negative
(OECD Test Guideline 442B)

Germ cell mutagenicity
Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
Test Type: Micronucleus test
Test system: lymphocyte
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 487
Result: negative
Test Type: gene mutation test
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 490
Result: negative
Carcinogenicity
No data available
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
11.2Additional Information
RTECS: TZ6395000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information
12.1Toxicity
Toxicity to fishstatic test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - >= 100 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algaestatic test ErC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201)
12.2Persistence and degradability
Biodegradabilityaerobic - Exposure time 28 d
Result: 4 % - Not biodegradable (OECD Test Guideline 301F)
12.3Bioaccumulative potential
No data available
12.4Mobility in soil
No data available
12.5Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6Endocrine disrupting properties
No data available
12.7Other adverse effects
No data available

SECTION 13: Disposal considerations
13.1 Waste treatment methods Product
Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: Transport information
14.1UN number
ADR/RID: -IMDG: -IATA-DGR: -
14.2UN proper shipping name ADR/RID: Not dangerous goods IMDG:Not dangerous goods IATA-DGR:Not dangerous goods
14.3Transport hazard class(es)
ADR/RID: -IMDG: -IATA-DGR: -

14.4Packaging group
ADR/RID: -IMDG: -IATA-DGR: -
14.5Environmental hazards
ADR/RID: noIMDG Marine pollutant: noIATA-DGR: no
14.6Special precautions for user
14.7Incompatible materials

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulatory information

Measures on the Environmental Administration of New Chemical Substances Registration
Registration/Notification number: B1A222210704

Downstream users need to comply with the conditions of safe use of the chemical, understand the environmental and health hazard and risk management measures identified on the SDS as well as the local/national regulations concerning the chemical.

Other regulations
Please pay attention on the waste treatment should also comply with local regulations requirement.

SECTION 16:OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.