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Material Safety Data Sheet

SECTION 1:CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name：methyl-acridinium-9-carboxylate-1-propanesulfonate inner salt
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

2.1 Classification of the substance or mixture
Non-hazardous substance or mixture.

2.2 GHS label elements, including precautions
Non-hazardous substance or mixture.

2.3 Physical and chemical hazards
Information available at this time indicates no physical or chemical risk.

2.4 Health hazard
Information available, no health hazard

2.5 Environmental hazard
At present information, no environmental hazards.

2.6 Other Hazards
No data available

SECTION 3: Composition/information on ingredients

Substance/mixture: substance
3.1 Substances
Synonyms: NSP-SA-NHS
Formula: C30H26N2O9S
Molecular weight: 590.6 g/mol

CAS-No.: 194357-64-7
According to the relevant regulations, it is not necessary to disclose the specific components.

SECTION 4: First aid measures

4.1 Description of first-aid measures
General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact
Wash off with soap and plenty of water. Consult a physician.
Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in labels (see Section 2.2) and/or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available

4.4 Special note to doctors
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media
Extinguish fire with water mist, dry powder, foam or carbon dioxide extinguishing agent.
Avoid using straight running water to extinguish the fire, which may cause splashing of flammable liquid and spread the fire.

5.2 Special hazards arising from the substance or mixture
Wear self-contained breathing apparatus for firefighting if necessary.

5.3 Advice for firefighters
Fire prevention personnel should wear air-carrying breathing apparatus and full-body firefighting clothing to extinguish the fire upwind.

Move containers from fire to open space if possible.
Containers in the fire site must be evacuated immediately if they are discolored or emit sound from the safety relief device.
Isolate the accident site and prohibit irrelevant personnel from entering.
Receiving and treating fire water to prevent environmental pollution.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency personnel are advised to wear air-carrying breathing apparatus, antistatic clothes, and rubber oil-resistant gloves.
Do not touch or cross spills.
All equipment used during the operation should be connected to the site.
Cut off the source of leakage as much as possible. Eliminate all ignition sources.
Delimit the warning zone according to the affected area of liquid flow, steam or dust diffusion, and evacuate irrelevant personnel from crosswind or upwind to the safety zone.

6.2 Environmental precautions
Absorb leakage to avoid environmental pollution. Prevent leakage into sewers, surface water and groundwater.

6.3 Methods and materials for containment and cleaning up
Small amount of leakage: Collect the leaking liquid in a sealable container as far as possible. Absorb with sand, activated carbon or other inert materials and transfer to a safe place. Do not flush down the drain.
A large number of leaks: build a embankment or dig a pit to receive. Seal off the drainage pipe. Cover with foam to inhibit evaporation. Transfer to tank car or special collector with explosion-proof pump, recycle or transport to waste disposal site.

SECTION 7: Handling and storage

7.1Precautions for safe handling
Operators should be specially trained and strictly abide by the operating procedures.
Disposal should be carried out in a place with partial ventilation or full ventilation facilities.
Avoid eye to skin contact and steam inhalation.
See Section 8 for personal protection measures.
Keep away from fire, heat source, no smoking in the workplace.
Use explosion-proof ventilation systems and equipment.
If canning is required, the flow rate should be controlled and there should be a grounding device to prevent static accumulation.
Avoid contact with forbidden compounds such as oxidants (see Section 10 for forbidden compounds).

When handling, light loading and unloading should be done to prevent damage to packaging and containers.
An empty container may contain harmful residue.
Wash hands after use and do not eat or drink in the workplace.
Equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment.

7.2Conditions for safe storage, including any incompatibilities Storage conditions
Storage：2-8℃,Seal, dry and store away from light

SECTION 8: Exposure controls/personal protection

8.1Control parameters
Biological limit values：
No data available
Monitoring method:
GBZ/T 160.1 ~ GBZ/T 160.41-2004 Determination of toxic substances in the air of the workplace (series standard) EN 14042 Guide to procedures for assessing exposure to chemical or biological agents in the air of the workplace.
Engineering control:
Workspaces are recommended to be separated from other workspaces.
Closed operation to prevent leakage.
Enhance ventilation.
Set up automatic alarm device and emergency ventilation facilities.
Emergency exit channels and necessary drainage areas shall be set up.
Set up red zone warning lines, warning signs and Chinese warning instructions, and set up a communication alarm system.
Provide safe shower and eye wash facilities.

8.2 Exposure control
Avoid contact with skin, eyes and clothing. Wash hands immediately before rest and after handling this product.
Personal protective equipment
Eye protection：
Wear chemical safety eye protection.
Hand protection：
Wear rubber oil-resistant gloves.
Body and skin protection：
Wear permeable protective clothing.
Respiratory system protection：

When the concentration in the air exceeds the standard, wear a filter gas mask (half mask). In case of emergency rescue or evacuation, you should wear an air carrying respirator.

SECTION 9: Physical and chemical properties

9.1Information on basic physical and chemical properties

Appearance	Form：powder
Colour：	Yellow
Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability	no data available
or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) N-octanol/water partition coefficient	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available

SECTION 10: Stability and reactivity

10.1 Stability

No data available.

10.2 Dangerous Reaction

No data available.

10.3 Conditions to Be Avoided

No data available.

10.4 Forbidden compounds

Strong oxidant.

10.5 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Severe eye injury/eye irritation: No data available.

Respiratory or skin allergies: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ system toxicity (single exposure): No data available.

Specific target organ system toxicity (repeated exposure): No data available.

Inhalation hazard: No data available.

11.2 Potential health impacts

No data available.

11.3 Signs and Symptoms after exposure

No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available

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 Endocrine disrupting properties

No data available

12.7 Other adverse effects
Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods Product
Product
Dispose of the remaining and non-recyclable solution with a licensed company.
Contaminated containers and packaging
Discard as unused product.

SECTION 14: Transport information

14.1 UN number
ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name
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

15.1 Regulations/regulations specifically for the safety, health and environment of the substance or mixture
Please note that waste disposal should also meet local regulatory requirements.
If applicable, the chemical meets the requirements of the Regulations on the Safety Administration of Hazardous Chemicals (Decree No. 591 of The State Council of the People's Republic of China).

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.