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Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: NSP-SA-NHS
Company: Suzhou YACOO Science Co., Ltd.
Address: No.128, FangZhou Road, Suzhou Industrial Park, China
Tel: 0512-87182055
Fax: 0512-87182056

SECTION 2: Hazards identification

2.11 Risk categories of GHS
Non-hazardous substance or mixture
2.2 GHS label elements, including precautionary statements
Non-hazardous substance or mixture

SECTION 3: Composition/information on ingredients

Substances Synonyms: NSP-SA-NHS
Molecular formula: $C_{32}H_{31}N_3O_{10}S_2$
Molecular weight: 681.73g/mol
CAS No.: 199293-83-9

SECTION 4: First aid measures

4.1 Description of necessary first aid measures
General advice
Consult your doctor. Present this safety specification to the doctor on site.
Inhalation
If inhaled, remove victim to fresh air. If breathing stops, give artificial respiration. Consult your doctor.
Skin contact
Rinse with soap and plenty of water. Send the patient to hospital immediately. Consult your doctor.
Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult your doctor.
ingestion
Do not orally feed anything to an unconscious person. Rinse your mouth with water and ask your doctor.

4.2 Main symptoms and effects, acute and delayed effects

To the best of our knowledge, this chemical, physical and toxic property has not been fully studied.

4.3 Instructions and instructions for prompt medical treatment and required special treatment

No data available

SECTION 5: Firefighting measures

5.1 Fire extinguishing methods and extinguishing agents

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 Particular hazards arising from the substance or mixture

No data available

5.3 Advice to Firefighters

Firefighting personnel should wear breathing apparatus and full body firefighting suit and fight 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 Personnel protective measures, protective equipment and emergency handling 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 Protection Measures

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

6.3 Methods for storing and removing leaked chemicals and disposal materials used

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

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhaling steam or fog droplets.

Keep away from fire. - No fireworks. Take measures to prevent static buildup.

7.2 Conditions for safe storage, including any incompatibilities Storage conditions

Store in a cool place. Keep the container airtight and store in a dry, ventilated place.

Recommended storage conditions: 2-8°C, away from light

7.3 Specific Uses

No data available

SECTION 8: Exposure controls/personal protection

8.1 Allowable concentration

Maximum allowable concentration

There are no known national limits for exposure.

8.2 Exposure Control

Appropriate technical control

Avoid contact with skin, eyes and clothing. Wash hands immediately before rest and after handling this product.

Personal protective equipment

Eye protection

Masks and safety glasses must be tested and approved by official standards such as NIOSH (USA) or EN 166(EU)

Device for eye protection.

Hand protection

Gloves must be inspected before use.

Please remove the gloves using appropriate methods (do not touch the outer surface of the gloves) and avoid any skin area from touching the product. Dispose of contaminated gloves carefully after use in accordance with relevant laws and regulations and effective laboratory procedures. Wash and dry your hands. The gloves you choose must comply with EU regulation 89/686/EEC and EN376 derived from it.

Body and skin protection

Full set of anti-chemical reagent work clothes, flame retardant anti-static protective clothing. ,

The type of protective equipment must be selected according to the concentration and quantity of hazardous substances in a particular workplace.

Respiratory system protection

If the hazard assessment indicates the need for air purifying gas masks, use full mask Multifunctional Gas Mask (US) or ABEK type (EN14387) gas mask canisters as alternate engineering controls. If a gas mask is the only means of protection, use a full-hood air supply gas mask. Respirators use respirators and parts that have been tested and passed government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state	Shape: powder Color: yellow
b) Colour	no data available
c) Odour	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Boiling point or 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) High/low flammability or explosive limit	no data available
k) Vapour pressure	no data available
l) Vapor density	no data available
m) Density and/or relative density	no data available
n) Water solubility	no data available
o) N-octanol/water partition coefficient	no data available
p) Spontaneous combustion temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available

10.3 Dangerous reaction

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidant

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

11.2 Skin corrosion/irritation

no data available

11.3 Serious eye damage/irritation

no data available

11.4 Respiratory or skin sensitization

no data available

11.5 Germ cell mutagenicity

no data available

11.6 Carcinogenicity

no data available

11.7 Reproductive toxicity

no data available

11.8 STOT-single exposure

no data available

11.9 STOT-repeated exposure

no data available

11.10 Aspiration hazard

no data available

11.11 Potential health effects

no data available

11.12 Signs and symptoms after exposure

no data available

11.13 Additional Information

Registration of toxic effects of chemical substances: 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 Result evaluation of PBT and vPvB

No data available

12.6 Other adverse effects

Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1 Products

Dispose of the remaining and non-recyclable solution with a licensed company.

13.2 Contaminated Containers and Packages

Dispose of as unused products.

SECTION 14: Transport information

14.1 UN number

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.2 UN proper shipping name

ADR/RID: Non-dangerous goods

IMDG: Non-dangerous goods

IATA: Non-dangerous goods

14.3 Transport hazard class(es)

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.4 Packaging group

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.5 Packing method

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.6 Special reminder to users

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.

