

MSDS

MATERIAL SAFETY DATA SHEET

Applicant: Hebei Nuohui Trading Co.,Ltd

Address: #31 Zhengdong Road, Chang'an District,
Shijiazhuang City, Hebei Province, China

Sample Name: Dishwasher detergent sheets

Sample Model: NH1052

Composition/Ingredient of sample (as per client submission): See section 3 composition/information on ingredients on the MSDS report.

Sample Received Date: June 18, 2025

Issue Date: June 24, 2025

Service requested: Material Safety Data Sheet (MSDS) for the sample with submitted composition.

Summary: As specified by the client, This safety data sheet was prepared in accordance with Un GHS Rev.7. US OSH Hazard Communication Standards(29 CFR 1910.1200). Please refer to attached report for details.

Shenzhen HUAK Testing Technology Co., Ltd.

Drafted By: _____

Max Fang

Reviewer By: _____

Emily Zhang

Approver By: _____

Jason Zhou

Remark: The MSDS is prepared based on the information provided client.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAK Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.



HUAKE TESTING

SECTION 1. CHEMICAL PRODUCT INFORMATION

Product identifier

Product name: Dishwasher detergent sheets

Model: NH1052

Series No.: N/A

Mark: N/A

Contact person: N/A

Telephone: N/A

Email: N/A

Fax: N/A

Supplier/Manufacturer

Applicant: Hebei Nuohui Trading Co.,Ltd

Address: #31 Zhengdong Road, Chang'an District,
Shijiazhuang City, Hebei Province, China

Manufacture Company: Hebei Nuohui Trading Co.,Ltd

Address: #31 Zhengdong Road, Chang'an District,
Shijiazhuang City, Hebei Province, China

Reference Number: HK2506187990-1RR



HUAKE TESTING

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	
GHS classification	
GHS risk categories	Acute oral toxicity Category 4 Skin corrosion/Irritation Category 2 Severe eye injury/Eye irritation Category 1 Hazard to aquatic environment - Long-term Hazard Category 3
Environmental hazards	Not classified
Hazard Pictograms:	
Signal Word(S):	Danger
Risk statement	H302 dysphagia H315 Cause skin irritation H318 Causing severe eye damage H410 It is highly toxic to aquatic organisms and has long lasting effects
Prevention	
Preventive measure	P264 Wash face and hands thoroughly after work. P270 Do not eat, drink or smoke while using this product. P273 Avoid release into the environment. P280 Wear protective gloves/Wear protective clothing/wear protective eye mask/Wear protective mask.
Accident response	P310 Call a detoxification center or doctor immediately. P330 Mouthwash. P301+P310 In case of accidental swallowing: Call the detoxification center/doctor immediately. P302+P352 If the skin is contaminated: Wash with plenty of soap and water. P332+P313 In case of skin irritation: Seek medical attention. P362+P364 Remove all stained clothes and wash them before reuse. P305+P351+P338 If it gets into the eyes: Rinse carefully with water for several minutes. If you wear contact lenses and they can be removed conveniently, take them out. Continue rinsing.
Storage	Not applicable
Disposal	P501 Dispose of contents/containers in accordance with local/regional/national/international regulations.



HUAKE TESTING

SECTION 3. COMPOSITION /HAZARDOUS INGREDIENTS

Common Chemical Name	CAS No.	Concentration %
WATER	7732-18-5	25%
SODIUM DODECYL SULFATE	151-21-3	15%
POLY (VINYL ALCOHOL)	9002-89-5	8%
GLYCERINE	56-81-5	15%
SODIUM DODECYL-BENZENESULFONATE	25155-30-0	10%
SODIUM C12-14 OLEFIN SULFONATE	72674-05-6	5%
DISODIUM EDETATE DIHYDRATE	6381-92-6	4%
SODIUM CHLORIDE	7647-14-5	2%
SODIUM BICARBONATE	144-55-8	2%
POLY(DIMETHYLSILOXANE)	9016-00-6	2%
SODIUM PERCARBONATE	15630-89-4	4%
PROTEASE	37259-58-8	1%
POLYMER WITH OXIRANE	166736-08-9	5%
Sodium OLEATE	143-19-1	2%

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAKE Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.

**Section 4. FIRST AID MEASURES**

Description of first aid measures:	Immediately remove any clothing soiled by the product.
After inhalation:	Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.	
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:	Drink plenty of water and provide fresh air. Call for a doctor immediately.
Most important symptoms and effects, both acute and delayed:	No further relevant information available.
Indication of any immediate medical attention and special treatment needed:	No further relevant information available.

Section 5. Fire-Fighting Measures

Flammability performance:	It is flammable when exposed to open flame or high heat
Suitable fire extinguishing agent:	Extinguish fires with mist water, foam, dry powder, carbon dioxide and sand
Unsuitable fire extinguishing agent:	Not applicable
Explosion:	Not applicable
Special fire extinguishing program:	Not applicable

Section 6. ACCIDENTAL RELEASE MEASURES

Personal preventive measures, protective equipment and emergency procedures:
Evacuate personal to safe areas. Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes or clothing.
Environmental protection measures:
Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13) Pick up and transfer to properly labeled containers.
Cleaning methods and materials:

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAK Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.



Use personal protection recommended in Section 8. Wash thoroughly after handling.

Section 7. HANDING AND STORAGE

Disposal:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition. When using do not eat, drink or smoke. Use personal protection recommended in section 8. Wash thoroughly After handling.

Storage:

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and Other sources of ignition. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering control:	Not applicable
Personal protective equipment:	
Respiratory protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA Approved respiratory protection should be worn. Positive should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hand Protection:	Wear protective gloves.
Eye/face protection:	Avoid contact with eyes.
Skin and body protection:	It is recommended that operators wear self-priming filtering dust masks, chemical safety goggles, anti-toxic penetration work clothes and rubber gloves
Sanitary measures:	Keep away from sources of ignition and heat. Smoking is strictly prohibited in the workplace

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical condition:	Form: Solid
	Smell: None
PH value, indicated concentration:	Not applicable
Melting point/freezing point:	Not applicable
Boiling point, initial boiling point and boiling point range:	Not applicable
Flash point:	Not applicable
Upper and lower limits of spontaneous combustion or explosion:	Not applicable
Vapor pressure:	Not applicable
Steam density (air = 1):	Not applicable
Density/relative:	Not applicable
Water solubility:	Not applicable
N-octanol/water partition coefficient:	Not applicable
Autoignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Evaporation rate:	Not applicable
Flammability (soil, natural gas):	Not applicable
Viscosity:	Not applicable

Section 10. STABILITY AND REACTIVITY

Stability:	It decomposes and releases toxic gases when exposed to high heat
Avoid conditions (such as electrostatic discharge, shock or vibration)	High temperature, spark and ignition source
Avoid substances	Strong acid, strong alkali and strong oxidant
Hazardous decomposition products	Not applicable
Possibility of dangerous reaction	Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not applicable
Sensitization:	Not applicable
Nerve influence:	Not applicable
Teratogenicity:	Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Possible impact on the environment:	Not applicable
Soil flow distribution:	Not applicable
Durability and degradability:	Not applicable
Biological accumulation:	Not applicable
Other adverse effects:	Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal method	Suggestions on product handling: comply with local, state and federal laws and regulations. Packaging treatment suggestion: containers can be recycled or reused, and comply with local, state and federal laws and regulations This material may have an impact on the environment and human health. It should be recycled separately for recycling
------------------------------	---

SECTION 14. TRANSPORT INFORMATION

This report is applicable to sea transportation, and land transportation

Mechanical damage should be avoided during transportation, handling and stacking

When designing packaging, static electricity conduction, corrosion and moisture infiltration should be prevented

Packaging must be handled carefully, During transportation, ensure that the container is not leaking or damaged. It is strictly forbidden to mix with oxidant and other mixed loading. During transportation, it should be protected from exposure to sun, raining and high temperature.

Regarding transportation, the following laws and regulations should be taken into account

- technical notes of the international civil aviation organization (ICAO)
- International Air Transport Association (IATA) Dangerous Goods Rules

The United Nations hazardous material transportation Number: No

Road and rail transport: Transport according to non-dangerous goods requirement.

Marine pollutants (yes/no): No

-International Maritime Transport of Dangerous Goods (IMDG) Code

Dangerous Goods Safety of DOT, US Department of Energy

Research and Special Projects Administration (RSPA)

SECTION 15. REGULATORY INFORMATION

Law Information

- 《Dangerous Goods Regulation》
- 《Recommendations on the Transport of Dangerous Goods Model Regulations》
- 《International Maritime Dangerous Goods》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《Classification and code of dangerous goods》
- 《Occupational Safety and Healthy Act》（OSHA）
- 《Toxic Substances Control Act》（TSCA）
- 《Consumer Product Safety Act》（CPSA）
- 《Federal Environmental Pollution Control Act》（FEPCA）
- 《The Oil Pollution Act》（OPA）
- 《Super fund Amendments and Reauthorization Act Title III（302/311/312/313）》（SARA）
- 《Resource Conservation and Recovery Act》（RCRA）
- 《Safety Drinking Water Act》（CWA）
- 《California Proposition 65》
- 《Code of Federal Regulations》（CFR）

In accordance with all Federal, State and Local laws.

OSHA hazard communication standard (29 CFR 1910.1200)

☐ Dangerous goods ☒ Non-dangerous goods

SECTION 16. OTHER INFORMATION

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the Information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reason, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

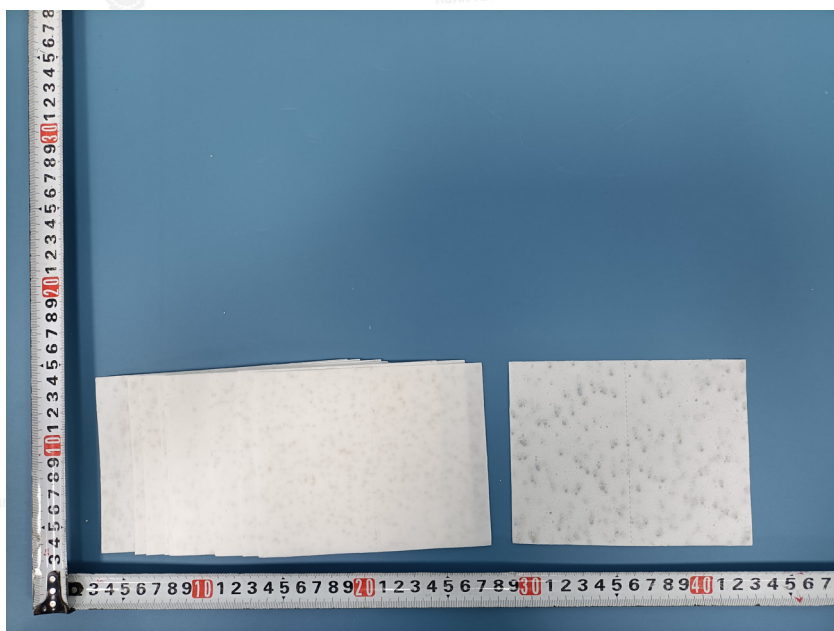
DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

** Modified History **

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2025/06/24	Jason Zhou

Photograph of Sample



***** End of Report *****