

1. Identification

.Product identifier

.Trade name: Laundry detergent sheets/laundry strips

.Article number: SJFL-060EM

.Recommended use of the chemical and restrictions on use

.Application of the substance/ the preparation: Laundry care

.Details of the supplier of the safety data sheet

.Manufacturer/Supplier:

Nanjing Fanyong Enterprise Co., LTD

No.1, Fangting Road,Lukou Street,Jiangning District,Nanjing,Jiangsu, PRC.

Tel: +862586195505

Email: diego@fy-choice.com

Further information obtainable from: Nanjing Fanyong Enterprise Co., LTD

.Emergency telephone number:

Diego Guo

Tel: +8618652028103

USA

Poison Center

Tel: +18002221222

2. Hazard(s) identification

.Classification of the substance or mixture

Classification according to OSHA Hazard Communication Standard(29 CFR 1910.1200)



GHS05 Corrosion

Eye Dam.1 H318 Causes serious eye damage.



GHS07 Exclamation mark

| | | |
|-------------------|------|--|
| Acute Tox. 4 | H302 | Harmful if swallowed. |
| Acute Tox. 4 | H332 | Harmful if inhaled. |
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| STOT Se 3 | H335 | May cause respiratory irritation. |
| Aquatic Chronic 3 | H412 | Harmful to aquatic life with long lasting effects. |

.Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

.Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

.Label elements

.Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

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Hazard pictograms



GHS05



GHS07

Signal word: Danger

Hazard-determining components of labeling:

Sodium alpha-olefin sulfonate

Alcohols, C12-15, ethoxylated

Isotridecanol, ethoxylated

Hazard statements

H302+H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation

Precautionary statements

P201

Obtain special instructions before use

P202

Do not handle until all safety precautions have been read and understood.

P260

Do not breathe dust/fume/gas/mist/vapors/spray

P264

Wash thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312

If swallowed: Call a poison center/doctor if you feel unwell.

P302+P352

If on skin: Wash with plenty of water.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a poison center/doctor.

P308+P313

If exposed or concerned: Get medical advice/attention.

P321

Specific treatment (see on this label).

P314

Get medical advice attention if you feel unwell.

P330

Rinse mouth.

P362+P364

Take off contaminated clothing and wash it before reuse.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC) No further relevant information available.

3. Composition/information on ingredients

Chemical characterization: Mixture

Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16.

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| Composition: | | |
|---------------------|--|--------|
| 9005-25-8 | Starch | 15-20% |
| 9002-89-5 | Polyvinyl alcohol | 15-20% |
| 68439-57-6 | Sodium alpha-olefin sulfonate Eye Dam.1,H318;Acute Tox.4,H302;Skin Irrit.2,H315 | 20-30% |
| 68131-39-5 | Alcohols,C12-15,ethoxylated Eye Dam.1,H318;Skin Irrit.2,H315 | 5-10% |
| 68-04-2 | Trisodium citrate | 1-5% |
| 61789-40-0 | Cocoamidopropyl betaine Skin Irrit. 2 H315;Eye Irrit. 2 H319 | 1-5% |
| 1318-02-1 | 4A Detergent Zeolite STOT SE 3,H335 | 5-10% |
| 5949-29-1 | Citric acid monohydrate Eye Irrit.2A,H319 | 1-5% |
| 9043-30-5 | Isotridecanol,ethoxylated Eye Dam.1,H318;Acute Tox.4,H302 | 1-5% |
| 56-81-5 | glycerol | 1-5% |
| 1643-20-5 | Dodecyldimethylamine oxide Skin Irrit. 2 H315;Eye Dam.1 H318; | 1-5% |
| 61790-79-2 | Sodium palmate Skin Irrit. 2 H315;Eye Irrit. 2 H319 | 1-5% |
| 61789-89-7 | Sodium palm kernelate | 1-5% |
| 61789-31-9 | Sodium cocoate Eye Irrit. 2 H319 | 0-1% |
| 9014-01-1 | Subtilisin Skin Irrit. 2 H315;Eye Dam.1 H318;STOT SE 3,H335;Resp. Sense.1 H334 | 0-1% |
| 9012-54-8 | Cellulase Resp. Sense.1 H334 | 0-1% |
| 13040-19-2 | Zinc diricinoleate | 0-1% |
| 9003-04-7 | 2-Propenoic acid,homopolymer,sodium salt | 0-1% |
| | Fragrance | 1-5% |
| 7732-18-5 | water | 5.0% |

4.First-aid measures

.Description of first aid measures

.General information:

Symptoms of poisoning may even occur after several hours;therefore medical observation for at least 48 hours after the accident.

.After inhalation:

Supply fresh air.If required,provide artificial respiration.Keep patient warm. Consult doctor if symptoms persist.

In case ofunconsciousness place patient stably in side positionfor transportation.

.After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues,consult a doctor.

.After eye contact: Rinse opened eye for several minutes under running water.Then consult a doctor.

.After swallowing: Immediately call a doctor.

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.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.

5. Fire-fighting measures

.Suitable extinguishing agents: Use fire fighting measures that suit the environment.

.Special hazards arising from the substance or mixture No further relevant information available.

.Special protective equipment and precautions for firefighters.

.Protective equipment:

Wear fully protective suit

Mouth respiratory protective device.

6. Accidental release measures

.Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid formation of dust.

Avoid breathing vapors, mist or gas.

Avoid contact with eyes.

Avoid contact with skin.

.Environmental precautions: Do not allow to enter sewers/surface or ground water.

.Methods and material for containment and cleaning up:

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7. Handling and storage

.Precautions for safe handling:

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Prevent formation of dust.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

.Information about protection against explosions and fires:

Keep respiratory protective device available

.Conditions for safe storage, including any incompatibilities

.Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

.Information about storage in one common storage facility:

Store away from foodstuffs.

.Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

8. Exposure controls/personal protection

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| Components with limit values that require monitoring at the workplace: | |
|---|---|
| 9005-25-8 Starch(15-20%) | |
| PEL(USA) | Long-term value:15*5**mg/m ³ *total dust **respirable fraction |
| REL(USA) | Long-term value:10*5**mg/m ³ *total dust **respirable fraction |
| TLV(USA) | Long-term value:10 mg/m ³ |
| 56-81-5 glycerol(1-5%) | |
| PEL(USA) | Long-term value:15*5**mg/m ³ mist; *total dust**respirable fraction |
| TLV(USA) | TLV withdrawn-insufficient data human occup.exp |

.Regulatory information

PEL(USA):Guide to Occupational Exposure Values(OSHA PELs)

REL(USA):Guide to Occupational Exposure Values (NIOSH RELs)

TLV(USA):Guide to Occupational Exposure Values(ACGIH)

.Additional information:The lists that were valid during the creation were used as basis

.Based on the composition shown in Section 3,the following measures are suggested for occupational safety measure:

.Appropriate engineering controls:

Keep away from foodstuffs,beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

See Section7 for information about design of technical facilities

.Personal protective equipment:

.Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device.In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

.Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times,rates of diffusion and the degradation.

.Material of gloves

The selection of the suitable gloves does not only depend on the material,but also on further marks of quality and varies from manufacturer to manufacturer.As the product is a preparation of several substances,the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

.Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

.Eye protection:



Tightly sealed goggles

9.Physical and chemical properties

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| | |
|--|--|
| General Information | |
| Appearance: | |
| Form: | Solid |
| Color: | White |
| Odor: | Weak odor |
| Odor threshold: | Not available |
| pH-value(10 g/l)at 30°C: | 6.5-8 |
| Melting point/Melting range: | Not available |
| Freezing point: | Not available |
| Boilingpoint/Boilingrange: | Not available |
| Flash point: | Not available |
| Flammability (solid,gaseous): | Not available |
| Auto-Ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Explosion limits: | Not available |
| Lower: | Not available |
| Upper: | Not available |
| Vapor pressure: | Not available |
| Density: | Not available |
| Relative density | Not available |
| Vapor density | Not available |
| Evaporation rate | Not available |
| Solubility in/Miscibility with Water: | Not available |
| Partition coefficient(n-octanol/water): | Not available |
| Viscosity: | |
| Dynamic: Not available | |
| Kinematic: Not available | |
| Other information: | No further relevant information available. |

10. Stability and reactivity

- Reactivity** No decomposition if used according to specification.
- Chemical stability** Stable under recommended storage conditions.
- Possibility of hazardous reactions** No dangerous reactions known.
- Conditions to avoid** No further relevant information available.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:** No dangerous decomposition products known.

11. Toxicological information

Acute toxicity:

| | | |
|---|------|---|
| LD/LC50 values that are relevant for classification: | | |
| 9002-89-5 Polyvinyl alcohol | | |
| Oral | LD50 | 14.270 mg/kg (mouse) 23,900 mg/kg(rat) |
| 56-81-5 glycerol | | |

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| | | |
|--|------|--|
| Oral | LD50 | 4,090 mg/kg(mouse) 12,600 mg/kg (rat) 27,000 mg/kg(rabbit) |
| Dermal | LD50 | >10,000 mg/kg (rabbit) |
| 5949-29-1 Citric acid monohydrate | | |
| Oral | LD50 | 3,000 mg/kg (rat) |

.Skin corrosion/irritation: Irritant to skin and mucous membranes.

.Serious eye damage/irritation: Strong irritant with the danger of severe eye injury.

.Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations.

Carcinogenic

Harmful

Irritant

Carcinogenic categories

| | |
|---|-------------------|
| ·IARC(International Agency for Research on Cancer) | |
| 9002-89-5 | Polyvinyl alcohol |

| | |
|---|--|
| NTP(National Toxicology Program) | |
| None of the ingredients is listed. | |
| OSHA-Ca(Occupational Safety & Health Administration) | |
| None of the ingredients is listed. | |

12. Ecological information

.Toxicity

·Aquatic toxicity: No further relevant information available

·Persistence and degradability No further relevant information available.

·Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available

·Other adverse effects No further relevant information available.

13. Disposal considerations

·Waste treatment methods

·Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

.Uncleaned packagings:

·Recommendation: Disposal must be made according to official regulations.

14. Transport information

| | |
|---|----------------|
| ·UN-Number DOT,IMDG,IATA | Not applicable |
| ·UN proper shipping name DOT,IMDG,IATA | Not applicable |

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| | |
|--|----------------------------------|
| Transport hazard class(es) .DOT,IMDG ,IATA .Class Label | Not applicable Not applicable |
| Packing group DOT,IMDG,IA TA | Not applicable |
| Environmental hazards | Not applicable. |
| Special precautions for user | Not applicable. |
| Transport in bulk according to Annex MARPOL 73/78 and the IBC Code | Not applicable. |
| UN "Model Regulation": | Not applicable |

15. Regulatory information

.Safety,health and environmental regulations/legislation specific for the substance or mixture

.Sara

| | |
|--|-------------------------------|
| Section 355(extremely hazardous substances): | |
| None of the ingredient is listed. | |
| Section 313 (Specific toxic chemical listings): | |
| None of the ingredients is listed. | |
| .TSCA(Toxic Substances Control Act): | |
| 9005-25-8 | Starch |
| 9002-89-5 | Polyvinyl alcohol |
| 68439-57-6 | Sodium alpha-olefin sulfonate |
| 68131-39-5 | Alcohols,C12-15,ethoxylated |
| 68-04-2 | trisodium citrate |
| 56-81-5 | glycerol |
| 9043 -30-5 | Isotridecanol,ethoxylated |

16. Other information

.Relevant hazard statements

H228 Flammable solid.

H302 Harmful ifswallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eyeirritation.

H335 May cause respiratory irritation.

H351 Suspected ofcausing cancer.

The contents andformat of this SDS are in accordance with 29 CFR 1910.1200.