

SDS Report

No. SHAEC1302837001

Date: Mar. 11, 2013

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NINGBO EAGLE NEW MATERIAL CO.,LTD
NO.88,Batang Road, Hangzhou Bay Economic Development Zone, CiXi City, Zhejiang, China

SGS Ref. No. : SP13004547-SH
Sample Name : HGS1040A -- PA6 Nylon with 40%GF Black
End Uses : Plastic product
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the MSDS report
Job Receiving Date : Feb 28, 2013
Last Information Date : Mar 07, 2013
MSDS Preparation Period : Feb 28~Mar 07, 2013

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the MSDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory

Lindly Liu

Lindly Liu
Lab Manager

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/11/2013

Reviewed on 03/07/2013

1 Identification

- **Product identifier**
- **Trade name:** *HGS1040A -- PA6 Nylon with 40%GF Black*
- **Application of the substance / the preparation:** *Plastic product*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
NINGBO EAGLE NEW MATERIAL CO.,LTD
NO.88, Batang Road, Hangzhou Bay Economic Development Zone, CiXi City, Zhejiang, China
Tel: +86574-63204635
Fax: +86574-63209222
- **Further information obtainable from:** *NINGBO EAGLE NEW MATERIAL CO.,LTD*
- **Emergency telephone number:**
LU JINGJING
Mobile Phone: 13858319528
- **Email:** *jane-egl@hotmail.com*
- **Reference Number:** *SP13004547-SH; SHAEC1302837001*

2 Hazards identification

- **Hazard description:**
Harmful
Limited evidence of a carcinogenic effect.
- **Irritant**
Irritating to eyes, respiratory system and skin.
- **Information pertaining to particular dangers for man and environment:**
The product has been classified as dangerous according to 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.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

65997-17-3	Fibrous Glass	40.0%
· Non dangerous components:		
25038-54-4	Poly(Iminocarbonylpentamethylene)	58.3%
	Black universal masterbatch	1.0%
3147-75-9	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	0.3%
23128-74-7	N,N'-hexane-1,6-diylbis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide]	0.2%
31570-04-4	tris(2,4-ditert-butylphenyl) phosphite	0.2%

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· **Remark:**

Poly(Iminocarbonylpentamethylene) (CAS No.25038-54-4)

Synonym: Nylon6

Classification information of Black universal masterbatch is provided by client.

4 First aid measures

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air or oxygen; call for doctor.

· **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. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth with water.

Call a doctor immediately.

5 Firefighting measures

· **Suitable extinguishing agents:**

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

· **Advice 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.

Avoid formation of dust.

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

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

· **Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Open and handle receptacle with care.

Avoid contact with eyes.

Avoid contact with skin.

· **Information about protection against explosions and fires:** *Normal measures for preventive fire protection.*

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- **Storage**
- **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.
Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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**
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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9 Physical and chemical properties

- **General Information**

- **Appearance:**

· Form:	Granulate
· Color:	Black
· Odor:	Odorless
· Odour threshold:	Not available.

- **pH-value:** Not available.

- **Change in condition**

· Melting point/Melting range:	215-220 °C (419-428 °F)
· Freezing point:	Not available.
· Boiling point/Boiling range:	Not available.

- **Flash point:** Not available.

- **Flammability (solid, gaseous):** Not available.

- **Auto-Ignition temperature:** Not available.

- **Decomposition temperature:** 300 °C (572 °F)

- **Explosion limits:**

· Lower:	Not available.
· Upper:	Not available.

- **Vapor pressure:** Not available.

- **Density:** 1.52-1.54 g/cm³ (12.684-12.851 lbs/gal)

- **Relative density:** Not available.

- **Vapour density:** Not available.

- **Evaporation rate:** Not available.

- **Solubility in / Miscibility with**

- **Water:** Insoluble.

- **Partition coefficient (n-octanol/water):** Not available.

- **Viscosity:**

- **Dynamic:** Not available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **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:** Not available.
- **Primary irritant effect**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

25038-54-4	Poly(Iminocarbonylpentamethylene)	3
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· **NTP (National Toxicology Program)**

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.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.

· **Transport hazard class(es)**

· **DOT, IMDG, IATA**

· **Class** Not applicable.

· **Packing group**

· **DOT, IMDG, IATA** Not applicable.

· **Environmental hazards**

· **Marine pollutant:** No

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code Not applicable.

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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):**

25038-54-4 Poly(Iminocarbonylpentamethylene)

65997-17-3 Fibrous Glass

3147-75-9 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol

23128-74-7 N,N'-hexane-1,6-diylbis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide]

31570-04-4 tris(2,4-ditert-butylphenyl) phosphite

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients is listed.

· **Hazard symbols:**

Harmful

· **Hazard-determining components of labelling:**

Fibrous Glass

· **Risk phrases:**

Irritating to eyes, respiratory system and skin.

Limited evidence of a carcinogenic effect.

· **Safety phrases:**

Keep out of the reach of children.

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container to hazardous or special waste collection point.

· **National regulations**

- **Water hazard class: Water hazard class 1 (Self-assessment):** slightly hazardous for water.

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16 Other information

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The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

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