

Honda Sangyo Co., Ltd.  
Material safety data sheet

Issued: Aug 1, 2013

Commercial product type: HONDAFLOH HGS series

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1. Identification of the substance and the company

Manufacturer: Honda Sangyo Co., Ltd.  
Address: 3814 Totsuka-cho Totsuka-ku Yokohama-shi Kanagawa-ken, Japan  
Phone Number: +81-45-869-1133  
Fax Number: +81-45-869-1184  
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2. Composition/information on ingredients

This product, a PTFE coated glass cloth, is classified as a mixture

Components	CAS No.	% by weight
Polytetrafluoroethylene (PTFE)	9002-84-0	approximately 40-70
Glass	65997-17-3	approximately 60-30

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3. Hazards identification

Classification: Fire-resistant material  
Do not sustain combustion once ignited

The major health hazard associated with this product is the inhalation of thermal decomposition materials (polymer fume) which will be generated at temperature above 380°C.

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4. First aid measures

Skin : Wash with water, if necessary.  
Eye : Ordinary not applicable  
Inhalation: Remove patient, who inhaled polymer fume, from exposure and keep warm. Consult with doctor.

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5. Fire fighting measures

Extinguishing media: Use foam, carbon dioxide, dry chemicals or water.  
Fire fighting measures: Self-contained breathing apparatus and protective clothing should be worn.

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6. Accidental release measures

Collect and dispose as non-combustion material. Do not incinerate.

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7. Handling and storage

Handling: Wash hands after handling.  
Mind polymer fume, when you smoke.  
Storage: Keep in dry and cool place.

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8. Exposure controls/personal protection

Ventilation:	Not required under normal handling
Respiratory protection:	Not required under normal handling
Protective clothing:	Not required under normal handling
Eye protection:	Not required under normal handling

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9. Physical and chemical properties

Form:	Solid (tape)
Color:	Light brown
Odour:	Odourless
Density :	approximately 2.3 g/ml
Melting point:	327°C for PTFE
Solubility in water:	Insoluble

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10. Stability and reactivity

Flash point (°C):	Not applicable
Ignition temperature:	Not applicable
Stability:	Stable at temperature up to 260°C

Materials to avoid: Inert under the normal conditions except molten alkali metals

Hazardous decomposition products:  
Almost all decomposition products of PTFE are toxic.

Hydrofluoric acid, Carbonyl fluoride (generated from 400°C)  
Tetrafluoroethylene (generated from 430°C)  
Hexafluoropropylene (generated from 440°C)  
Perfluoroisobutylene (generated from 470°C)

Perfluoroisobutylene is an extremely high toxic chemical component of which LC<sub>50</sub> (rat) is 0.5ppm at 6hrs.

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11. Toxicological information

Acute toxicity: LD<sub>50</sub> (rat) 1250 mg/kg for PTFE  
Carcinogen: Not listed as a carcinogen by NTP or OSHA

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12. Ecological information

Environmental effects:	No adverse effects are predicted.
Bioaccumulation:	Not predicted

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13. Disposal considerations

Do not incinerate.  
Disposal should be done following local or national regulations.

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14. Transport information

Not classified as hazardous material for transport

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15. Regulatory information

Not applicable

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16. Other information

This Safety data sheet is intended to furnish physical, safety, toxicological and ecological data that are of importance to the users for commonly known PTFE coated fabrics applications and to give recommendations for safe storage, handling, transport.

This information reflects the state of knowledge of the person having completed this form at the time of issue. Nothing contained herein shall be construed to imply a contractual guarantee of characteristics for the product concerned.