



Product SDS

Reference date: 6/18/03 Revision date: 7/24/14

01. Identification of the substance/mixture and of the company

Product name: SST Instrument Retrieval Lids (**GRILAMID TR 60 NATUR**)

Code number(s): 113-213C UNP, 113-213C, 113-2134, 113-2136, 113-1314, 113-1316, 113-106C, 113-1066, 2006-C COVER, 2006-4

Purpose of product: Safe handling, retrieval, decontamination and sterilization of instruments and equipment.

Manufacturer/supplier: Healthmark Industries Co.

Address: 18600 Malyn Blvd. / Fraser, MI 48026

Telephone/Fax/Email: (800) 521-6224 / (586) 491-2113 / healthmark@hmark.com

Emergency telephone number: (800) 424-9300 (24-hour service)

02. Hazards identifications

Classification of the substance or mixture: The product is not classified according to the Globally Harmonized System (GHS).

Adverse environmental and human health effects: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Label elements

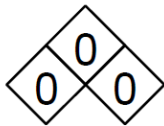
Labelling according to EU guidelines:

The product is not subject to identification regulations according to directives on hazardous materials. Observe the general safety regulations when handling chemicals.

Additional information: Void

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
Fire = 0
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

03. Composition/information on ingredients

Description of the mixture: Polyamide

Hazardous ingredients: Void

04. First aid measures

General information: No special measures required

Following inhalation: Supply fresh air; consult doctor in case of complaints.

Following skin contact: If skin irritation continues, consult a doctor.
After contact with the molten product, cool rapidly with cold water.
Do not pull solidified product away from the skin. Seek medical treatment.

Following eye contact: Flush eyes with plenty of water; if irritation persists, seek medical attention.

Following ingestion: If symptoms persist consult a doctor.

Notes for the doctor: N/A

05. Firefighting measures

Extinguishing media

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

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen cyanide (HCN)

In certain fire conditions, traces of other toxic gases cannot be excluded.

.Advice for firefighters

.Protective equipment: Use self-contained breathing apparatus and protective fire fighting clothing.

.Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

07. Handling and storage

Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace. Extractors are required on all machines used for thermal processing or splinter removal processes. Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed

Fire Preventions: Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** None.
- . **Storage class:** 10-13
- . **Specific end use(s):** No further relevant information available.

08. 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:

General dust limit values for airborne particles are PEL (OSHA) = 15 mg/m³ (inhalable fraction, TWA) and PEL (OSHA) = 5 mg/m³ (respirable fraction, TWA).

. **Exposure controls**

. **Personal protective equipment:**

. **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid skin contact with the liquefied material.

Do not inhale dust / smoke / mist.

Avoid close or long term contact with the skin.

. **Breathing equipment:** Not necessary if room is well-ventilated.

. **Protection of hands:** Protective gloves

. **Eye protection:** Safety glasses

. **Body protection:** Protective work clothing

09. Physical and chemical properties

Appearance: Granulate

Physical state: Solid

Color: According to product specification

Odor: Odorless

Change in condition

Melting point/Melting range:

Glass transition temperature: 180-200 °C (356-392 °F)

Decomposition Temperature: > 350 °C (> 662 °F)

Safety relevant basic data: N/A

Explosion hazard: N/A

Density at **20 °C (68 °F)**: > 1.0 g/cm³ (> 8.345 lbs/gal)

pH: N/A

Initial boiling point/range: °C /°F N/A

Solubility: Insoluble

Flash point: °C /°F N/A

Ignition temperature: °C /°F N/A

Melting point: 180-200 °C (356-392 °F)

Conditions to avoid: N/a

Incompatible materials: N/a

10. Stability and reactivity

Reactivity

.Chemical stability

.Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

.Possibility of hazardous reactions

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

Reacts with strong acids and oxidizing agents.

.Conditions to avoid No further relevant information available.

.Incompatible materials:

Strong acids.

Strong oxidizing agents.

Hazardous decomposition products: Danger of toxic pyrolysis products.

11. Toxicological information

Information on toxicological effects: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Irritation: N/A

Sensitization: N/A

Inhalation: N/A

Practical experiences: N/A

Ingredient: N/A

12. Ecological information

Terrestrial toxicity: N/A

Aquatic toxicity: N/A

Mobility: N/A

Persistence and degradability: N/A

Bio accumulative potential: N/A

Results of PBT and vPvB assessment: N/A

Other adverse effects: N/A

13. Disposal considerations

Product: Disposal must be in accordance with applicable federal, state, or local regulations. Determine waste classification at time of disposal. Conditions of use may render the spent product a hazardous waste. Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

Contaminated packaging: N/A

Uncontaminated packaging: N/A

14. Transport information

UN-No: N/A

Proper shipping name: N/A

Classification Code: N/A

Packing group: N/A

Hazard label: N/A

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): All ingredients are listed.

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.

Carcinogenicity categories

EPA (Environmental Protection Agency)

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.

Product related hazard informations:

The product is not subject to identification regulations according to directives on hazardous materials.

Observe the general safety regulations when handling chemicals.

National regulations:

Classification according to VbF: Void

Water hazard class: Generally not hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. **Department issuing MSDS:** Environment and safety department(U+S)

. **Contact:**

Abteilung Umweltschutz und Sicherheit

Tel +4181 632 6111 Fax +41 81 632 7401 produktsicherheit@emsservices.ch

. **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

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

DOT: US Department of Transportation

IATA: International Air Transport Association

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

. * **Data compared to the previous version altered.**