



A Group Company of MITSUBISHI CHEMICAL

Maleic anhydride**Safety Data Sheet ENEM1700**

Issue date: 07/21/2023

Version: 1.0

SECTION 1: Identification**1.1. Identification**

| | |
|-----------------|--|
| Product name | : Maleic anhydride |
| Product code | : ENEM1700 |
| Product form | : Substance |
| Physical state | : Solid |
| Formula | : C ₄ H ₂ O ₃ |
| Synonyms | : cis-BUTENEDIOL ANHYDRIDE |
| Chemical family | : ORGANIC |

1.2. Recommended use and restrictions on use

| | |
|-----------------|-------------------------|
| Recommended use | : Chemical intermediate |
|-----------------|-------------------------|

1.3. Supplier**GELEST, INC.**11 East Steel Road
Morrisville, PA 19067**USA**

T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST

info@gelest.com - www.gelest.com**1.4. Emergency telephone number**

| | |
|------------------|---|
| Emergency number | : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International) |
|------------------|---|

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS US classification**

| | | |
|---|------|--|
| Acute toxicity (oral) Category 4 | H302 | Harmful if swallowed |
| Skin corrosion/irritation Category 1B | H314 | Causes severe skin burns and eye damage |
| Serious eye damage/eye irritation Category 1 | H318 | Causes serious eye damage |
| Respiratory sensitization, Category 1 | H334 | May cause an allergy or asthma symptoms or breathing difficulties if inhaled |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction |
| Specific target organ toxicity (repeated exposure) Category 1 | H372 | Causes damage to organs through prolonged or repeated exposure |
| Full text of H statements : see section 16 | | |

2.2. GHS Label elements, including precautionary statements**GHS US labeling**

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H302 - Harmful if swallowed
 H314 - Causes severe skin burns and eye damage
 H317 - May cause an allergic skin reaction
 H318 - Causes serious eye damage

Maleic anhydride

Safety Data Sheet

Precautionary statements (GHS US)

H334 - May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H372 - Causes damage to organs through prolonged or repeated exposure
: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): take off immediately all contaminated clothing. rinse skin with water/shower
P304+P341 - If inhaled: If breathing is difficult, 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 doctor.
P321 - Specific treatment (see first aid instructions on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to licensed waste disposal facility..

2.3. Hazards not otherwise classified (HNOC)

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : Maleic anhydride
CAS-No. : 108-31-6

| Name | Product identifier | % | GHS US classification |
|------------------|--------------------|----------|--|
| Maleic anhydride | CAS-No.: 108-31-6 | 95 – 100 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT RE 1, H372 |

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

Maleic anhydride

Safety Data Sheet

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Get immediate medical advice/attention. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : Never give anything by mouth to an unconscious person. Get medical advice/attention. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|-------------------------------------|--|
| Symptoms/effects | : Causes severe skin burns and eye damage. Causes damage to organs through prolonged or repeated exposure. |
| Symptoms/effects after inhalation | : May cause irritation to the respiratory tract. May cause an allergy or asthma symptoms or breathing difficulties if inhaled. |
| Symptoms/effects after skin contact | : Causes (severe) skin burns. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Harmful if swallowed. |

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Alcohol-resistant foam. Carbon dioxide. Dry chemical. |
| Unsuitable extinguishing media | : Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Specific hazards arising from the chemical

| | |
|-------------|---|
| Fire hazard | : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. |
| Reactivity | : The product is stable and non-reactive under normal conditions of use, storage and transport. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with skin and eyes. Do not breathe dust. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Wear protective equipment as described in Section 8. |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|--|

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : Sweep or shovel spills into appropriate container for disposal. |

Maleic anhydride

Safety Data Sheet

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide local exhaust or general room ventilation to minimize exposure to dust.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store locked up.

Incompatible materials : Strong oxidizing agents. Caustics.

Storage area : Store in a well-ventilated place. Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Maleic anhydride (108-31-6)

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|---|
| Local name | Maleic anhydride |
| ACGIH OEL TWA | 0.01 mg/m ³ (IFV - Inhalable fraction and vapor) |
| Remark (ACGIH) | TLV® Basis: Resp sens. Notations: DSEN; RSEN; A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference | ACGIH 2023 |

USA - OSHA - Occupational Exposure Limits

| | |
|--------------------------------|--------------------------|
| Local name | Maleic anhydride |
| OSHA PEL (TWA) [1] | 1 mg/m ³ |
| OSHA PEL (TWA) [2] | 0.25 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Neoprene or nitrile rubber gloves

Eye protection:

Chemical goggles or face shield. Contact lenses should not be worn

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (orange cartridge) respirator.

Maleic anhydride

Safety Data Sheet

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Solid |
| Appearance | : Solid. |
| Molecular mass | : 98.06 g/mol |
| Color | : whitish. |
| Odor | : Strong. |
| Odor threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : 51 – 56 °C |
| Freezing point | : No data available |
| Boiling point | : 200 °C |
| Flash point | : 103 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : > 150 °C |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Partition coefficient n-octanol/water (Log Kow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Explosion limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents. Caustics.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

Maleic anhydride

Safety Data Sheet

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

Maleic anhydride (108-31-6)

| | |
|---------------|------------------------|
| ATE US (oral) | 1030 mg/kg body weight |
|---------------|------------------------|

Maleic anhydride (108-31-6)

| | |
|---------------|-------------------------|
| LD50 oral rat | 1030 mg/kg Source: ECHA |
|---------------|-------------------------|

| | |
|--------------------|-------------------------|
| LD50 dermal rabbit | 2620 mg/kg Source: ECHA |
|--------------------|-------------------------|

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Causes severe skin burns. Skin-Rabbit, Result: Corrosive -4 h (OECD test Guideline 404) |
| Serious eye damage/irritation | : Causes serious eye damage. Eye-Rabbit, Result: Corrosive |
| Respiratory or skin sensitization | : May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Maximisation Test (GPMT)-Guinea pig, Result: The product is a skin sensitizer, sub-category 1B (OECD test Guideline 406) |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Causes damage to organs through prolonged or repeated exposure. |

Maleic anhydride (108-31-6)

| | |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | ≈ 10 mg/kg body weight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies) |
|----------------------------|--|

| | |
|---|---|
| NOAEC (inhalation, rat, vapor, 90 days) | ≈ 0.0033 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) |
|---|---|

| | |
|-------------------------------------|--|
| Aspiration hazard | : Not classified |
| Symptoms/effects after inhalation | : May cause irritation to the respiratory tract. May cause an allergy or asthma symptoms or breathing difficulties if inhaled. |
| Symptoms/effects after skin contact | : Causes (severe) skin burns. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Harmful if swallowed. |

SECTION 12: Ecological information

12.1. Toxicity

Maleic anhydride (108-31-6)

| | |
|----------------------|---|
| LC50 - Fish [1] | 75 mg/l Source: ECHA |
| EC50 - Crustacea [1] | 330 mg/l Source: ECHA |
| LC50 - Fish [2] | 75 mg/l Test organisms (species): Lepomis macrochirus |
| EC50 72h - Algae [1] | > 150 mg/l Source: ECHA |

12.2. Persistence and degradability

No additional information available

Maleic anhydride

Safety Data Sheet

12.3. Bioaccumulative potential

Maleic anhydride (108-31-6)

Partition coefficient n-octanol/water (Log Pow) 1.62 Source: HSDB

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other adverse effects : This substance may be hazardous to the environment.
Effect on the ozone layer : No additional information available





SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility..
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---|--|---|
| 14.1. UN number | | | |
| 2215 | UN2215 | 2215 | 2215 |
| 14.2. Proper Shipping Name | | | |
| Maleic anhydride | MALEIC ANHYDRIDE | MALEIC ANHYDRIDE, MOLTEN | Maleic anhydride |
| Transport document description | | | |
| UN2215 Maleic anhydride, 8, III | UN2215 MALEIC ANHYDRIDE, 8, III | UN 2215 MALEIC ANHYDRIDE, MOLTEN, 8, III | UN 2215 Maleic anhydride, 8, III |
| 14.3. Transport hazard class(es) | | | |
| 8 | 8 | 8 | 8 |
|  Not applicable |  Not applicable |  |  |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | | |

Maleic anhydride

Safety Data Sheet

14.6. Special precautions for user

DOT

| | |
|--|--|
| UN-No.(DOT) | : UN2215 |
| DOT Special Provisions (49 CFR 172.102) | : IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 154 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 213 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 240 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 25 kg |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 100 kg |
| DOT Vessel Stowage Location | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. |
| DOT Vessel Stowage Other | : 53 - Stow "separated from" alkaline compounds,58 - Stow "separated from" cyanides,95 - Stow "separated from" foodstuffs,102 - Stow "separated from" all odor absorbing cargoes |

TDG

| | |
|---|----------|
| UN-No. (TDG) | : UN2215 |
| Explosive Limit and Limited Quantity Index | : 5 kg |
| Excepted quantities (TDG) | : E1 |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 25 kg |
| Emergency Response Guide (ERG) Number | : 156 |

IMDG

| | |
|------------------------------------|---|
| Limited quantities (IMDG) | : 0 |
| Excepted quantities (IMDG) | : E0 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP3 |
| EmS-No. (Fire) | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE |
| EmS-No. (Spillage) | : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES |
| Stowage category (IMDG) | : A |
| Segregation (IMDG) | : SGG1, SG36, SG49, SG50, SG57 |
| Properties and observations (IMDG) | : Melting point: about 53°C. The vapour of the molten substance has a flashpoint of 103°C c.c. and forms a flammable atmosphere with explosive limits of 1.4% to 7.1%. Fumes are irritating to skin, eyes and mucous membranes. |

IATA

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y845 |
| PCA limited quantity max net quantity (IATA) | : 5kg |

Maleic anhydride

Safety Data Sheet

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|---------------------------------|---------|
| PCA packing instructions (IATA) | : 860 |
| PCA max net quantity (IATA) | : 25kg |
| CAO packing instructions (IATA) | : 864 |
| CAO max net quantity (IATA) | : 100kg |
| Special provision (IATA) | : A803 |
| ERG code (IATA) | : 8L |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|------------------|----------|---------|-------------------|-------|
| Maleic anhydride | 108-31-6 | Present | Active | |

Maleic anhydride (108-31-6)

Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)

| | |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

15.2. International regulations

CANADA

Maleic anhydride (108-31-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Maleic anhydride (108-31-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Maleic anhydride (108-31-6)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on CICR (Turkish Inventory and Control of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Maleic anhydride

Safety Data Sheet

Maleic anhydride (108-31-6)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases::

| | |
|------|--|
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H334 | May cause an allergy or asthma symptoms or breathing difficulties if inhaled |
| H372 | Causes damage to organs through prolonged or repeated exposure |

Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

Hazard Rating
Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Prepared by safety and environmental affairs.

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Version: 1.0

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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