



MSDS

Material Safety Data Sheet

1. MATERIAL IDENTIFICATION

Date: February 28, 2014

Product: **220 Gram Hide Glue (3XA)**
CAS No. 68476-37-9

Synonyms: Technical Gelatin, non-edible gelatin

COMPANY IDENTIFICATION

MILLIGAN & HIGGINS

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EMERGENCY OVERVIEW

Light amber colored granular solid with low odor. Although not a combustible solid, this material will char if involved in a fire, releasing typical carbon oxides. No significant health effects are associated with this material.

2. COMPOSITION

NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT.



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3. HAZARDS IDENTIFICATION

Potential Health Effects

- Inhalation Health Risks and Symptoms of Exposure: Inhalation of dust may cause irritation of throat and respiratory tract.
- Skin and Eye Contact Health Risks and Symptoms of Exposure: Skin irritation may occur. Possible dermatitis on prolonged or repeated contact. Hot solutions may cause burns.
- Skin Absorption Health Risks and Symptoms of Exposure: No information.
- Ingestion Health Risks and Symptoms of Exposure: Not a primary route of entry.

4. FIRST AID MEASURES

Eyes: Flush eyes with water until all foreign matter is completely removed. Get medical attention.

Skin: Wash dry material from skin with soap and water. Wash away solutions under running water, and treat for any burns.

Inhalation: Remove affected persons to fresh air and consult physician.

5. FIRE FIGHTING MEASURES

- Extinguishing Media: Water Fog, CO₂, Foam, Alcohol Foam, Dry Chemical.
- Special Fire Fighting Procedures: Use Smoke Mask
- Unusual Fire and Explosion Hazards: None. When exposed to open flame or extreme heat, this material will char and eventually disintegrate with emission of smoke, leaving only a residual ash. Glue dust dispersed into the air may form explosive mixtures.
- Flash Point: 260-270°C Decomposition/Evolved Gas Flammable.

6. ACCIDENTAL RELEASE MEASURES

Sweep up dry material. Allow solutions to cool completely and gel; then strip from surface. Clean up residue with warm water.

Dispose in accordance with local, state and federal environmental regulations. Small amounts of solution may be washed into sanitary sewers, if local disposal district regulations allow.

7. HANDLING and STORAGE

Store in a cool dry place. Shelf life is indefinite under described storage conditions. Empty packaging carefully to avoid dispersing dust into the air. Sweep up dust accumulations, if they occur. Industrial vacuum cleaner is preferred in order not to re-disperse dust into the air. Avoid contact with water prior to use.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection: Dust mask while emptying packaging. Smoke mask recommended when this material is exposed to extreme heat (260-270°C)
- Protective Gloves: Rubber or plastic while handling.
- Eye Protection: Glasses with sideshields.
- Other Protective Clothing or Equipment: Eyewash fountain.
- Work/Hygienic Practices: Wash after handling and before eating, smoking or using restrooms. Maintain good housekeeping.
- Other precautions: Do not take internally. Avoid contact with skin and eyes, and inhaling dusts.

9. PHYSICAL and CHEMICAL CHARACTERISTICS

- Boiling Point: N/A (dry material)
- Vapor Density: N/A
- Evaporation Rate: N/A
- Coating V.O.C.: N/A
- Material V.O.C.: None
- Solubility in Water: In all proportions.
- Appearance and Odor: Light amber colored granular solid. Low Odor.
- Specific Gravity (water = 1): 1.27

10. STABILITY and REACTIVITY

- Stability: Stable
- Conditions to Avoid: No information.
- Incompatibility (Materials to Avoid): No information
- Hazardous Decomposition or By-products: Oxides of carbon when burned.
- Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

- Chronic Health Hazard and Target Organ Effects: No information.
- Carcinogenicity: NTP? No
IARC Monographs? No
OSHA Regulated? No
- Medical Conditions Generally Aggravated by Exposure: Skin disorders.

12. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this material on the environment. Neither COD and/or BOD data is available. Based on chemical composition of this material it is assumed that the material can be treated in an acclimatized biological waste treatment plant system in limited quantities.



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13. DISPOSAL CONSIDERATIONS

This material is not considered a hazardous waste under Federal Waste Regulations. Please be advised, however, state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

It is recommended that this material waste be landfilled or incinerated after securing Environmental Regulatory Agency and landfill operations approval.

14. TRANSPORT INFORMATION

This material is not a DOT Hazardous Material.

15. OTHER INFORMATION

Label information: NFPA

Fire - 0
Health - 0
Reactivity - 0
Specific Hazard - None

All components are listed on TSCA.

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