

Safety Data Sheet

European Format

Mylotarg

Preparation Date 29-Aug-2007 Revision Date 09-Sep-2008 Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product NameMylotargCommon NameNot availableChemical NameNot applicableSynonymsNot available

Product Use Pharmaceutical product Classification Pharmaceutical product Antineoplastic Agent

Supplier Wyeth

P.O. Box 8299

Philadelphia, PA 19101 USA. Telephone: 1-610-688-4400

Emergency Telephone Number Chemtrec USA, Puerto Rico, Canada 1-800-424-9300

Chemtrec International 1-703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS-No	EC No.	Composition	Classification
Inactive Ingredients	Not applicable	Not applicable	Remainder	Not applicable
Gemtuzumab Ozogamicin	220578-59-6	None assigned	5 mg/vial	R36, S36/37/39/51

3. HAZARDS IDENTIFICATION

Emergency Overview

This contains an active pharmaceutical ingredient that can affect body functions; handle with caution.

Appearance Pharmaceutical powder

Physical State Solid

Odor Not available

Potential Physical Hazards

Powders and solids are presumed to be combustible.

Potential Health Effects

Eyes May cause mechanical eye irritation. **Skin** Not available

Inhalation
Ingestion
Other
Not available
Not available
Not available
The most con

The most common effects may include myelosuppression, hypersensitivity reactions, mucositis, pruritus, abdominal pain, asthenia/weakness, back pain, chills, fever, headache, infection, neutropenic fever, pain, sepsis, hemorrhage, hypertension, hypotension, tachycardia, anorexia, constipation, diarrhea, dyspepsia, gum hemorrhage, nausea, stomatitis, vomiting, anemia, ecchymosis, leukopenia, petechiae, thrombocytopenia, hyperglycemia, hypocalcemia, hypokalemia, peripheral edema, myalgia, anxiety, depression, dizziness, insomnia, cough increase, dyspnea, epistaxis, pharyngitis, pneumonia, pulmonary effects, rhinitis, Herpes

simplex, rash, metrorrhagia, and vaginal hemorrhage.

Possible development of severe hypersensitivity reactions (including Anaphylaxis) which may include severe pulmonary events. Immunosuppressent. Hepatotoxicity, including severe veno-

occlusive disease, has been reported with product use.

May cause harm to the unborn child. May be excreted in breast milk.

Please see Patient Package Insert for further information.

Therapeutic Target Organ(s) Liver, Bone Marrow, Kidneys.

Not listed by OSHA, NTP or IARC.

There is no known ecological information for this product. **Potential Environmental Effects**

4. FIRST AID MEASURES

Eye Contact In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek

medical advice.

Take off contaminated clothing and shoes immediately. Wash off immediately with soap and **Skin Contact**

plenty of water. If skin irritation persists, call a physician.

Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist, Inhalation

call a physician.

Ingestion If symptoms persist, call a physician. Do not induce vomiting without medical advice. Never

give anything by mouth to an unconscious person.

Participate in a medical surveillance program if working directly with this product. Other

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Extinguishing Media

Suitable Extinguishing Media

Unsuitable Extinguishing Media

Use water spray, foam, dry chemical or carbon dioxide.

Do NOT use water jet.

Fire Fighting Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with

water spray. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products Carbon oxides, nitrogen oxides.

Protective Equipment and Precautions for Firefighters In the event of fire, wear self-contained breathing apparatus and special protective equipment

for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Refer to protective measures listed in Sections 7 and 8. **Personal Precautions**

Environmental Precautions Prevent product from entering drains. Local authorities should be advised if a significant spill

cannot be contained.

Methods for Containment Not available

Take up mechanically and collect in suitable container for disposal. Clean contaminated Methods for Cleaning up

surface thoroughly. Avoid formation of dust and aerosols.

7. HANDLING AND STORAGE

Handling For personal protection see Section 8. Handle in accordance with good industrial hygiene and

safety practice. Skin should be washed after contact. Avoid formation of dust and aerosols.

Storage No special safety precautions required. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Common Name Exposure Guideline

Gemtuzumab Ozogamicin 2 mcg/m³

Engineering ControlsUse HEPA filtered, externally vented, biosafety cabinet when preparing or handling this

product.

Personal Protective Equipment

Eye/face Protection Wear safety glasses with side-shields.

Skin Protection Wear double gloves or "chemotherapy" gloves. Immediately change gloves when torn,

punctured, or contaminated. Wear closed-front, low-permeability protective gowns with tight-

fitting wrist cuffs when working with this product.

Respiratory Protection Base respirator selection on a risk assessment.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing. Conduct a task-specific risk assessment prior to authorizing work with this product. Consult a health and safety professional for specific PPE,

respirator and risk assessment guidance.

Other Limit access to only personnel trained in the safe handling of this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pharmaceutical powder Physical State Solid

Color White Odor Not available

Odor Threshold Not available

pH Not applicable

Specific GravityNot applicableWater SolubilityNot availableSolubilityNot applicableEvaporation RateNot applicable

Partition Coefficient Not available Vapor Pressure Not applicable (n-octanol/water)

Boiling Point Not applicable Autoignition Temperature Not applicable

Flash Point Not applicable Method None Melting Point Not available

Flammability Limits in Air Upper Not applicable Lower Not applicable Explosion Limits Upper Not applicable Lower Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable at room temperature.

Conditions to Avoid No data available

Materials to Avoid No materials to be especially mentioned.

Hazardous Decomposition Products None under normal use.

Possibility of Hazardous Reactions None under normal use.

11. TOXICOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Acute Toxicity

Gemtuzumab Ozogamicin

LD50 Oral 1175 mg/kg rats
Acute Dermal Irritation Not applicable
Primary Eye Irritation Not applicable
Sensitization Not applicable

Multiple Dose Toxicity

Gemtuzumab Ozogamicin

No Toxicologic Effect Dose/Species/Study Length:

The acute and chronic toxicity has been evaluated in rats and monkeys. Signs of toxicity included decreased body weight and food consumption, bone marrow toxicity, and liver and kidney effects. Target organs that were affected were kidneys, liver, bone marrow, lymphoid tissues, and male reproduction organs. In rats, the male mammary gland was also a target organ.

Maximum Tolerated Dose (MTD), Oral

Gemtuzumab Ozogamicin

Carcinogenicity Long-term animal toxicity studies to evaluate the carcinogenic potential have not been

conducted.

Genetic Toxicity Positive in the mouse micronucleus assay.

Reproductive Toxicity Studies were found to adversely affect male, but not female, fertility in rats causing decreased

sperm counts, sperm mobility, hypospermia, decreased reproductive organ weights, testicular

tubular degeneration, and prostate atrophy.

Developmental Toxicity At maternally toxic doses in rats, it was embryo/fetotoxic and caused reduced pup survival.

There was also an increased incidence of skeletal system anomalies in the fetuses.

Gemtuzumab Ozogamicin

Target Organ(s) of Toxicity No data available

12. ECOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Chemical Fate Information Not available

Ecotoxicity Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Transport InformationThis material is not classified as hazardous for transport.

15. REGULATORY INFORMATION

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

16. OTHER INFORMATION

Prepared By Wyeth Department of Environment, Health & Safety

Format This MSDS was prepared in accordance with Directive 2001/58/EC.

List of References See Patient Package Insert for more information.

Revision Summary Not applicable

Disclaimer:

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End of MSDS