# SAFETY DATA SHEET



Order Number Customer Number

# 1. Identification of the substance/preparation and of the company/undertaking

Product name : Tumor Necrosis Factor-alpha Antagonist

Catalog #

: 654255

Chemical formula : C<sub>58</sub>H<sub>71</sub>N<sub>11</sub>O<sub>15</sub>S<sub>2</sub>

Supplier : Manufactured by EMD Biosciences, Inc.

10394 Pacific Center Court San Diego, CA 92121 (858)450-5558/(800)854-3417

FAX: (858)453-3552

Synonym : TNF-alpha Antagonist

WP9QY

Emergency telephone :

Call Chemtrec®

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(800)424-9300 (within U.S.A.) (703)527-3887 (outside U.S.A.)

## 2. Composition / information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	EC Number	Symbol	R-Phrases
TNF-alpha Antagonist WP9QY		Not available.	-	-

# 3. Hazards identification

Physical/chemical hazards

- : Not applicable.
- Human health hazards
- : No specific hazard.

### First-aid measures

#### First-Aid measures

Inhalation

: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact** 

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Eye Contact** 

: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Aggravating conditions

: Repeated or prolonged exposure is not known to aggravate medical condition.

# 5. Fire-fighting measures

Flammability of the Product

: May be combustible at high temperature.

**Extinguishing Media** 

Suitable

: SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous thermal (de)composition products

: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...).

Special fire-fighting procedures

: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**Protection of fire-fighters** 

: Be sure to use an approved/certified respirator or equivalent.

Catalog # 654255 Page: 1/4

#### Accidental release measures 6.

Personal precautions Small Spill and Leak Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak

Use a shovel to put the material into a convenient waste disposal container.

#### 7. Handling and storage

Handling

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Storage

: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above -20°C (-4°F).

**Packaging materials** 

Recommended use

: Use original container.

#### 8. Exposure controls/personal protection

Engineering measures

: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

**Ingredient Name** 

**Occupational Exposure Limits** 

Tumor Necrosis Factor-alpha Antagonist

Not available.

Personal protective equipment

Skin and body Lab coat. Safety glasses. Eves

**Protective Clothing (Pictograms)** 



#### Physical and chemical properties 9.

**Physical state** 

Solid.

Molecular Weight

Not available.

1226.4 g/mole

**Solubility** 

Easily soluble in cold water.

Flash point

Color

Not available.

**Explosive properties** 

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

#### Stability and reactivity 10.

Stability

The product is stable.

Conditions to avoid

: Hygroscopic; keep container tightly closed.

**Hazardous Decomposition Products** 

: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...).

#### Toxicological information 11.

RTECS#

Not available.

Local effects

Skin irritation

Not available

Acute toxicity

LD50: Not available.

Chronic toxicity

LC50: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on Humans

No specific information is available in our database regarding the other toxic effects of this material for humans.

Not available

Page: 2/4 Catalog # 654255

To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Carcinogenic effects Not available. Not available. **Mutagenic effects** Reproduction toxicity Not available. : Not available. Teratogenic effects

# **Ecological information**

**Ecotoxicity** 

: Not available.

Toxicity of the Products of **Biodegradation** 

: The product itself and its products of degradation are not toxic.

### 13. Disposal considerations

Contaminated packaging

Methods of disposal; Waste of residues; : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Transport information

### International transport regulations

Land - Road/Railway

**ADR/RID Class** : Not controlled under ADR (Europe).

Sea

**IMDG Class** Not controlled under IMDG.

**IATA-DGR Class** 

**Special Provisions for** 

: Not controlled under IATA.

Not applicable.

**Transport** 

### Regulatory information

#### EU Regulations

**Risk Phrases** 

: This product is not classified according to the EU regulations.

U.S. Federal Regulations

TSCA: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

**HCS Classification** Not controlled under the HCS (United States).

**State Regulations** 

WHMIS (Canada) : Not controlled under WHMIS (Canada).

No products were found.

### Other information

**Hazardous Material Information System** (U.S.A.)



**National Fire Protection Association** (U.S.A.)



### Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. \*\*This product is intended for research use only.\*\*

Page: 3/4 Catalog # 654255

 Catalog #
 654255
 Date of issue
 4/9/2004.
 Page: 4/4