



# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)  
Issue date: 1/23/2025 Revision date: 4/14/2025 Supersedes: 1/23/2025 Version: 2.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)  
Product code : 08892

#### 1.2. Other means of identification

Part Number(s) : 08890|08891

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Injectable solution  
Restrictions on use : For use only on dogs

#### 1.4. Supplier's details

Neogen Corporation  
620 Leshar Place  
Lansing, Michigan 48912  
United States of America  
T 800.234.5333  
[sds@neogen.com](mailto:sds@neogen.com) - <https://www.neogen.com/>

#### 1.5. Emergency phone number

Emergency number : 24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable liquid, Category 3 H226 Flammable liquid and vapor.  
Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H226 - Flammable liquid and vapor  
Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment.  
P241 - Use explosion-proof equipment.  
P242 - Use non-sparking tools.

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

P243 - Take action to prevent static discharges.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P370+P378 - In case of fire: Use appropriate media to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
13.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria for section 3.2 of HCS

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : If you feel unwell, seek medical advice.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                       |
| First-aid measures after skin contact | : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.   |
| First-aid measures after ingestion    | : Call a poison center/doctor/physician if you feel unwell.                            |

### 4.2. Most important symptoms/effects, acute and delayed

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact  | : None under normal conditions. |
| Symptoms/effects after ingestion    | : None under normal conditions. |

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6 Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.  
Environmental precautions : Avoid release to the environment.

#### 6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including incompatibilities

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

|  |
|--|
| <b>Hand protection:</b>  |
| Protective gloves  |
| <b>Eye protection:</b>   |
| Safety glasses   |
| <b>Skin and body protection:</b>   |
| Wear suitable protective clothing  |
| <b>Respiratory protection:</b>   |
| In case of insufficient ventilation, wear suitable respiratory equipment |

#### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state : Liquid  
Color : Clear  
Odor : Slight alcoholic  
Odor threshold : No data available  
pH : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point : No data available  
Flash point : 49 °C  
Flammability (solid, gas) : Not applicable.  
Vapor pressure : No data available

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

|   |                     |
|---|---------------------|
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Explosion limits                                | : No data available |
| Particle characteristics                        | : No data available |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

|                                 |   |
|---------------------------------|---|
| Unknown acute toxicity (GHS US) | 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>13.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |
|---------------------------------|---|

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Reproductive toxicity               | : Not classified                |
| STOT-single exposure                | : Not classified                |
| STOT-repeated exposure              | : Not classified                |
| Aspiration hazard                   | : Not classified                |
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact  | : None under normal conditions. |
| Symptoms/effects after ingestion    | : None under normal conditions. |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|   |  |
|---|--|
| Ecology - general   | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified   |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified   |

### 12.2. Persistence and degradability

#### ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                  |
|------------------------------|------------------|
| Ozone                        | : Not classified |
| Fluorinated greenhouse gases | : No             |

## SECTION 13 Disposal considerations

|  |   |
|--|---|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Flammable vapors may accumulate in the container. Do not re-use empty containers.           |

## SECTION 14 Transport information





In accordance with DOT / TDG / IMDG / IATA

| DOT                    | TDG    | IMDG | IATA |
|------------------------|--------|------|------|
| <b>14.1. UN number</b> |        |      |      |
| UN1170                 | UN1170 | 1170 | 1170 |

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| DOT   | TDG   | IMDG   | IATA  |
|---|---|--|---|
| <b>14.2. Proper Shipping Name</b>   |   |  |   |
| Ethanol solutions   | ETHANOL SOLUTION  | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  | Ethanol solution  |
| <b>14.3. Transport hazard class(es)</b>   |   |  |   |
| 3   | 3   | 3  | 3   |
|  |  |  |  |
| <b>14.4. Packing group</b>  |   |  |   |
| III   | III   | III  | III   |
| <b>14.5. Environmental hazards</b>  |   |  |   |
| Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                          | Dangerous for the environment: No   |
| No supplementary information available  |   |  |   |

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

|  |  |
|--|--|
| <b>DOT</b>   |  |
| UN-No. (DOT)   | : UN1170   |
| DOT Special Provisions (49 CFR 172.102)                          | : 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.<br>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 4b;150   |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 203  |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242  |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 60 L   |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 220 L  |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.  |

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### TDG

|   |   |
|---|---|
| UN-No. (TDG)  | : UN1170  |
| TDG Special Provisions  | : 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan). |
| Explosive Limit and Limited Quantity Index                                  | : 5 L   |
| Excepted quantities (TDG)   | : E1  |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 60 L  |
| Emergency Response Guide (ERG) Number                                       | : 127   |

### IMDG

|                                    |   |
|------------------------------------|---|
| Special provision (IMDG)           | : 144, 223  |
| Limited quantities (IMDG)          | : 5 L   |
| Excepted quantities (IMDG)         | : E1  |
| Packing instructions (IMDG)        | : P001, LP01  |
| IBC packing instructions (IMDG)    | : IBC03   |
| Tank instructions (IMDG)           | : T2  |
| Tank special provisions (IMDG)     | : TP1   |
| EmS-No. (Fire)                     | : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS   |
| EmS-No. (Spillage)                 | : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS   |
| Stowage category (IMDG)            | : A   |
| Properties and observations (IMDG) | : Colorless, volatile liquids. Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19%. Miscible with water. |

### IATA

|  |                 |
|--|-----------------|
| Special provision (IATA)                     | : A3, A58, A180 |
| PCA Excepted quantities (IATA)               | : E1            |
| PCA Limited quantities (IATA)                | : Y344          |
| PCA limited quantity max net quantity (IATA) | : 10L           |
| PCA packing instructions (IATA)              | : 355           |
| PCA max net quantity (IATA)                  | : 60L           |
| CAO packing instructions (IATA)              | : 366           |
| CAO max net quantity (IATA)                  | : 220L          |
| ERG code (IATA)                              | : 3L            |

## SECTION 15 Regulatory information

### 15.1. Federal regulations

All components of this product are exempt or present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

No additional information available

### 15.3. 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

# ImmunoRegulin® (Propionibacterium Acnes Immunostimulant)

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 4/14/2025

Issue date : 1/23/2025

#### Full text of hazard classes and H-statements

|      |                            |
|------|----------------------------|
| H226 | Flammable liquid and vapor |
|------|----------------------------|

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.