

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

**Product identifier**

**Product Name** Diphtheria and Tetanus Toxoids Adsorbed

**Other means of identification**

**Product Information** Single-dose vial in package of 10 vials.

**Synonyms** Diphtheria and Tetanus Toxoids Adsorbed Suspension for Intramuscular Injection

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Active immunization against diphtheria and tetanus.

**Uses advised against** Not available.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Sanofi Pasteur  
Discovery Drive  
Swiftwater, PA 18370  
Phone: 1-800-VACCINE (1-800-822-2463)

**Emergency telephone number**

**24 Hour Emergency Phone** 1-703-741-5970 / 1-800-424-9300 CCN # 2118 (CHEMTREC)

**2. HAZARDS IDENTIFICATION**

**Classification**

**Health Hazards**

Not classified.

**Physical hazards**

Not classified.

**OSHA Regulatory Status**

This product is a vaccine that is safe for consumers when used according to the label directions. Potential hazards that may occur if product is not used according to the consumer label are as follows throughout the sheet.

**Label elements**

**Emergency Overview**

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

**Appearance** Cloudy, white suspension      **Physical state** Liquid      **Odor** Not available.

**Hazards not otherwise classified (HNOC)**

Not classified as a hazardous substance.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Diphtheria and Tetanus Toxoids Adsorbed Suspension for Intramuscular Injection

Chemical Name	CAS No.	Weight-%
Diphtheria Toxoid Adsorbed	N/A	N/A
Tetanus Toxoid Adsorbed	N/A	N/A
Isotonic sodium chloride solution	7647-14-5	q.s. to 100

Note: Ingredients below reportable levels are not listed.

### 4. FIRST AID MEASURES

#### First aid measures

##### **Eye contact**

In case of eye contact, immediately flush eyes with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention if irritation persists.

##### **Skin Contact**

In case of contact, remove contaminated clothing. Immediately flush skin with copious amounts of water for at least 15 minutes. Obtain medical attention if skin reaction occurs.

##### **Inhalation**

In case of inhalation, remove to fresh air. If breathing is difficult, administer oxygen. Seek medical attention immediately.

##### **Ingestion**

In case of accidental ingestion, wash out mouth with copious amounts of water. Seek medical attention if needed. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

##### **Self-protection of the first aider**

Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

#### Most important symptoms and effects, both acute and delayed

##### **Symptoms**

Common effects of the vaccine include the following: pain, redness, and hardness of the injection site; crying; fever; loss of appetite.

#### Indication of any immediate medical attention and special treatment needed

##### **Note to physicians**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** None known.

#### Specific hazards arising from the chemical

Not available.

**Hazardous combustion products** Not available.

#### Explosion data

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** None known.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective

gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**                      Wear appropriate personal protective equipment (see Section 8).

### Environmental precautions

**Environmental precautions**                See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment**                    Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**                    Wipe up with absorbent material (e.g. cloth) for disposal. Area where spill occurred can be cleaned with the regular cleaning materials designated for the area.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling**                    Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions**                        Store at 2° to 8°C (35° to 46°F). Do not freeze.

**Incompatible materials**                    Not available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines**                        This product, as supplied, does not contain any hazardous materials with Occupational Exposure Limits (OEL) established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering Controls**                        Used as supplied, no special engineering controls are needed when administering the vaccine.

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

**Eye/face protection**                        In laboratory or industrial settings, safety glasses with side shields are recommended.

**Skin and body protection**                    In laboratory or industrial settings, gloves and lab coats are recommended.

**Respiratory protection**                     Used as supplied, general room ventilation is acceptable and no special respiratory protection is needed when administering the vaccine.

**General Hygiene Considerations**        Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Not available.
<b>Appearance</b>	Cloudy, white suspension	<b>Odor threshold</b>	Not available.
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not available.	
<b>Melting point/freezing point</b>	Not available.	
<b>Boiling point / boiling range</b>	Not available.	

Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Flammability Limit in Air	
Upper flammability limit:	Not available.
Lower flammability limit:	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific Gravity	Not available.
Water solubility	Not available.
Solubility in other solvents	Not available.
Partition coefficient	Not available.
Autoignition temperature	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	Not available.
Dynamic viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.

**Other Information**

Softening point	Not available.
Molecular weight	Not available.
VOC Content (%)	Not available.
Density	Not available.
Bulk density	Not available.

<b>10. STABILITY AND REACTIVITY</b>
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**Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

None under normal handling.

**Hazardous polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Not available.

**Incompatible materials**

Not available.

**Hazardous Decomposition Products**

None under normal use conditions.

<b>11. TOXICOLOGICAL INFORMATION</b>
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**Information on likely routes of exposure**

Product Information	No data available.
Inhalation	No impact known or expected under normal use.
Eye contact	No impact known or expected under normal use.
Skin Contact	No impact known or expected under normal use.
Ingestion	No impact known or expected under normal use.

**Acute Effects**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	Intravenous LD50
Isotonic sodium chloride solution 7647-14-5	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h	-

**Information on toxicological effects****Symptoms**

Common effects of the vaccine include the following: pain, redness, and hardness of the injection site; crying; fever; loss of appetite.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Not available.

**Serious eye damage/eye irritation**

Not available.

**Irritation**

Not available.

**Corrosivity**

Not available.

**Sensitization**

Not available.

**Germ cell mutagenicity**

Diphtheria and Tetanus Toxoids Adsorbed has not been evaluated for mutagenic potential.

**Carcinogenicity**

Diphtheria and Tetanus Toxoids Adsorbed has not been evaluated for carcinogenicity potential.

**Reproductive toxicity**

Diphtheria and Tetanus Toxoids Adsorbed is not approved for use in individuals 7 years of age and older. Human or animal data are not available to assess vaccine-associated risks in pregnancy or on milk production, its presence in breast milk, or its effects on the breastfed infant.

**Developmental Toxicity**

Not available.

**Teratogenicity**

Not available.

**STOT - single exposure**

Not classified.

**STOT - repeated exposure**

Not classified.

**Chronic toxicity**

Not available.

**Subchronic toxicity**

Not available.

**Target Organ Effects**

Not available.

**Neurological effects**

Not available.

**Other adverse effects**

Not available.

**Aspiration hazard**

Not available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isotonic sodium chloride solution 7647-14-5	-	5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability**

Not available.

**Bioaccumulation**

Not available.

**Mobility**

Not available.

**Other adverse effects**

Not available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Not applicable.

**California Hazardous Waste Codes**

Not applicable.

**14. TRANSPORT INFORMATION****DOT**

Not regulated.

**TDG**

Not regulated.

**MEX**

Not regulated.

**ICAO (air)**

Not regulated.

**IATA**

Not regulated.

**IMDG**

Not regulated.

**RID**

Not regulated.

**ADR**

Not regulated.

**ADN**

Not regulated.

**15. REGULATORY INFORMATION****US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**US State Regulations****California Proposition 65**

Component (Formaldehyde) is on Proposition 65 list; however, based on percentage of formulation it is not considered hazardous.

**U.S. State Right-to-Know Regulations**

This drug is regulated by the Food and Drug Administration and is therefore exempt from State Right-to-Know Regulations.

<b>16. OTHER INFORMATION</b>
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<b>Prepared By</b>	IES Engineers
<b>Issue Date</b>	15-Apr-2015
<b>Revision Date</b>	30-Jul-2019
<b>Revision Note</b>	Updated Section 11: Reproductive Toxicity; revised by Sanofi Pasteur

**Disclaimer**

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**End of Safety Data Sheet**