

Safety Data Sheet

According to Directives 1907/2006 EC and 1272/2008 EC

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

1.1. Identification of the substance or preparation

Name: **Titan Power Dishwashing** capsuled gel detergent for use in dishwashing machines

1.2. Use of the substance/preparation:

Main use: washing detergent

Preparation should be used preferably for its original purpose, not to be recommended to use e.g. as children toy, fire-extinguisher or as fuel for space crafts.

1.3. Company/undertaking identification:

Company name: SAS Titan Power France

Address: 10 rue Gustave Roussy F79, 66100 Perpignan, France

Telephone: +33 6 41 33 38 24 email: titanpower.france@gmail.com

web: titanpower.eu.com

Emergency general ambulance: 112

SAMU medical emergency: 15

Emergency hotline in case of poisoning: 01 40 05 48 48

Centre Antipoison et de Toxicovigilance de Paris

Hôpital Fernand WIDAL, 200 rue du Faubourg Saint Denis, 75475 Paris Cedex 10

2. Hazards identification

2.1. Classification

Classified dangerous in accordance with Directive 1272/2008 EC: Dangerous mixture H 319,

causes serious eye irritation (2. category)

According to Directives 67/548 ECC and 1999/45 EC:

R 36 Irritating to eyes, R 41 Risk of serious damage to eyes, R 22 Harmful if swallowed; R 50 Very toxic to aquatic organisms

2.2. Symbols on package According to Directive 1272/2008 EC Warnings:

H 319 Causes serious eye irritation

Warning!

Precautionary measures:

P 102 Keep out of reach of children.

P 264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P 280 Wear protective gloves/clothing/eye protection/ face protection Preventive measures.

P 301 + P 312 If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.

P 305 + P 351 + P 338: If in eyes: rinse cautiously with water for several minutes, remove contact lenses if present and easy to do, continue rinsing

P 310 Immediately call a Poison Center or doctor

P 330 Rinse mouth

P 337 + P 313 If eye irritation persists: Get medical advice/attention.

P 321 Specific treatment (see on the label)

P 362 Take off contaminated clothing and wash before reuse

P391 Collect spillage.

P501 Dispose of contents/container to hazard waste

Sign of danger:



Labeling according to Directives 67/548 ECC and 1999/45 EC R phrase:

R 36 Irritating to eyes

R 22 Harmful if swallowed

R 50 Very toxic to aquatic organisms

R 41 Risk of serious damage to eyes

S phrases:

S 2 Keep out of the reach of children

S 24/25 Avoid contact with skin and eyes

S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice

S 27 Take off immediately all contaminated clothing

S 28.2 After contact with skin, wash immediately with plenty of soap and water

S 36/37 Wear suitable protective clothing and gloves

S 39 Wear eye/face protection

S 64 If swallowed rinse mouth with water (only if the person is conscious)

Sign of danger:



2. 3. Other dangers

Fire hazard: Moderate fire hazard, not readily ignite. Fire hazard class: „C“

Hazard for human health: Irritating to eyes

Hazard for environment: No risk of environmental pollution, if handled, stored and inactivated in prescribed way. Avoid getting to environment accidentally.

3. Composition /information on ingredients

Component	CAS No.	Content in %	ECS No.	Danger 67/548 ECC	Danger 1272/2008 EC
Alkylbenzenesulfonic acid monoethanolamine salt	068910-32-7	2 - 30	272-734-1	X _i , R 36	H 319 P 264, P 280 P 305+P 351+P 338 P337+P313
Monoethanolamine oleate	2272-11-9	5 - 24	218-878-0	X _i , R 36	H 319 P 264, P 280 P 305+P 351+P 338 P337+P313
Ethoxylated fatty alcohol	66455-14-9	5 - 20	500-165-3	X _n ; R22, R41	H 302 P264, P270, P301 + P312, P330, P501 H 319 P264, P280, P305 + P351 + P338 P310

4. First aid measures

4.1 Statement of first aid measures:

The promptness and competence of first aid may reduce the development and seriousness of the symptoms

Generally: The casualties should be removed from the danger area, taken to fresh air, or well-ventilated room, and provide medical service after first aid.
Don't make drink or vomit the unconscious casualties

Inhalation: not likely to occur with the preparation, if happens: take the person to fresh air
Eye contact: wash the eyes thoroughly for 15 min with plenty of water, meanwhile parting edges of eyelids and moving the eyeball. In case of complaints go to a specialist

Skin contact: wash the skin with plenty of water after taking off contaminated clothes and shoes

Ingestion: wash the mouth first, and make the person drink plenty of water. In case of complaints go to specialist

4.2. Major acute and retarded symptoms and effects:

Unpleasant taste if swallowed, stomach-ache after 1-4 hours, nose-bleed, lethargy.

4.3. Immediate medical care and special treatment: in case of suspicion of poisoning or symptoms of poisoning occur, immediately call for medical assistance and show the doctor the label and the SDS of the preparation.

Notice for the doctor: treat according to symptoms

5. Firefighting measures

Class of fire hazard: „C“

Flash-point: is not defined in original package (flash point of filled pva pillow is above >55 °C (closed space) and >100 °C (open space))

Temperature of combustion: 400 °C

5.1. Suitable material for extinguishing: alcohol-resistant foam, carbon dioxide (CO₂), sodium hydrogen carbonate (NaHCO₃), sand, dolomite

5.2. Special risks originated from material or preparation: carbon dioxide, carbon monoxide, acetic acid (CH₃COOH), NO_x

5.3. Special protective equipment for fire-fighters: Don't stay in the danger area without using fresh-air respirator.

6. Accidental release measures

6.1. Personal precautions, personal protection emergency procedure:
Avoid the contact to eyes and skin, wearing of protective accessories (rubber or plastic gloves, protective glasses) is necessary.

6.2. Environmental precautions: Prevent the preparation from getting into sewer or living water (ducting around)

6.3. Methods and materials for area demarcation and decontamination: Scoop up the preparation poured out, absorb the remnants with sand. Remove the polluted soil. Handle the contaminated preparation, absorbing sand and polluted soil as hazardous waste.

6.4. Reference to other sections: -

7. Handling and storage

7.1. Precautions for safe handling: Store in original package in a cool (5 - 25 C°) dry place, separated from foodstuffs. Washing detergent in intact capsules does not cause pollution. Capsules dissolve in water, therefore keep out reach of water during storage.

7.2. Terms of safe storage with incompatibilities: Keep the preparation away from inflammable matters, do not smoke.

7.3. Determined end user: not stated

8. Exposure controls / Personal protection

8.1. Parameters to check / Exposure limit values:

Not stated

8.2. Exposure controls:

Avoid the contact with the preparation with prudent working methods; keep safety and hygiene prescriptions of for working with chemicals. Attention of workers has to be called that in case of getting into the eyes the preparation causes irritation.

Precautionary measures, protective devices:

Technical measures: Keep general precautionary measures for handling chemicals Hygiene

measures: Do not smoke, do not eat or drink while handling the product

Personal protection devices:

Respiratory protection: Not necessary, avoid inhaling the preparation

Eye and face protection: Avoid contact to eyes, wear protective glasses while handling or

decontaminating large quantities

Skin protection: not necessary

Labor health measures:

Take off polluted clothes immediately. Wash hands and face after handling the preparation.

Environmental protection:

Keep instructions of handling and storage. Store large quantities in a storage area what keeps the preparation from getting into living water, soil or sewer.

9. Physical and chemical properties

9.1. General information physical and chemical properties:

Physical state: liquid packed in plastic capsules

Color: colored

Odor: typical for the preparation, perfumed

9.2. Other information:

Flash-point (P-M): Not defined in original package (flash point of filling material $>55\text{C}^\circ$ in plastic bag)

Viscosity: $1,0 \text{ g cm}^{-3}$ (at $+ 15\text{C}^\circ$)

Water solubility: soluble

PH: approx. 8

Solubility: Dissolves in water without restraint Explosive

properties: not explosive in original package Oxidizing

properties: not oxidizing

10. Stability and reactivity

10.1. Ability of reaction: not typical

10.2 Chemical stability: stable under normal conditions and prescribed handling (see Section 7.)

10.3 Possibility of dangerous reactions: no dangerous polymerization occur

10.4. Conditions to avoid: heat, ignition

10.5 Incompatible materials: water (during storage), firm oxidizing materials 10.6 Dangerous

disintegration: none in proposed application

11. Toxicological information

11.1 Information on toxicological effects:

There were no toxicological examinations done. Toxicological classing was done solely in terms of the components according to 1999/45/EC and 44/2000. EuM. The LD_{50} value of hazardous components in rats orally 1.000 - 2.000 mg/bwkg.

Effects of exposition:

If swallowed: (large quantity) irritating the mucous membranes and the stomach Eye: can cause irritation

12. Eco toxicity information

12.1. Toxicity: no available information.

12.2. Persistence, degradability: active surfactant ingredients are compatible with biological degradable processes for cleaning materials laid in 648/2004/EC. Data are accessible to authorized organizations of the member-states and available for them and for manufactures of cleaning materials in case of direct requests.

12.3. Ability of bioaccumulation: not stated

12.4. Mobility in soil: not stated

12.5. Evaluation of PBT/vPvB: preparation does not contain any PBT/vPvB material

13. Disposal considerations, inactivation

13.1. Methods of waste handling:

Do not handle together with communal waste; do not spread into living water, sewer or soil. Remaining preparation, expired products or polluted packaging materials shall be burned in controlled way according to 72/2013 VM direction. EWC code: 20 01 29*

14. Transport information

14.1. UN. Number: not stated

14.2. Appropriate denomination of transport according to United Nations: not stated

14.3. Transport danger classification: not subject to ADR/RID/ADN (LD_{50} per os >200 mg/bwkg, biodegradable, living water $LC_{50} > 1$ mg dm⁻³)

14.4. Group of packaging: not stated

14.5. Environmental risks: Keep instructions of handling and storage. Store large quantities in a storage area what keeps the preparation from getting into living water, soil or sewer.

14.6. Special precautionary measures for end users: not stated

14.7. Transport in bulk according to IBC and MARPOL 73/78 II. Supplement: not stated

15. Regulatory information

15.1. Relevant safety, medical and environmental protection laws and decrees to be kept in relation of the materials and preparation:

Labor safety: XCIII. act of 1993 on labor safety, and relevant decrees of NM and MuM

Hazardous materials: XXV. act of 2000 on Chemical Safety, 44/2000 EuM and 41/2000 EuM - KoM decre

Waste handling: CLXXXV. act of 2012 on Waste materials, 72/2013. VM decree.

Fire protection: XXXI. act of 1995 on Fire protection, technical rescue and Firefighters, 28/2011. BM decree

15.2. Evaluation of chemical safety:

No chemical safety evaluation had been prepared

16. Other information

The water soluble package of the product contains BITREX™ aversive agent, what in case the product accidentally gets into someone's mouth, indicates removal of it within 6 seconds.

Above information is based on our present knowledge and refer the shipped status of the product. It describes the product only for requirements of safety, and do not guarantee certain properties of the product, and does not substitute the product specification. This data sheet does not mean any legal obligation or responsibility for the use or consequences of misuse the product under any conditions.

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