

# Safety Data Sheet


## SKYCAT ALT

Issue date 10.01.2025

### 1 Identification of the Substances/Preparation and of the Company/Undertaking

- **Product identifier**
- **Product name:** SKYCAT ALT (TITANIUM AMMONIUM)
- **Relevant identified uses of the substance or mixture and uses advised against**  
Catalysts/Cross-linking agent. Not for consumer use.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- \* **CONTACT INFORMATION :**
  - \* *Patil Dyestuff Industries*
  - \* *Plot no. C-1, B- 67/605, 100 Shed Area, GIDC,*
  - \* *Vapi - 396195, Valsad, Gujarat, India*
  - \* *Telephone :+91 - 9998926100*
  - \* *Email : [info@patildyestuff.com](mailto:info@patildyestuff.com)*
  - \* *Website: [www.patildyestuff.com](http://www.patildyestuff.com)*
- **Emergency telephone number:**  
For Emergency call :+91 - 9998926100

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **OSHA/HCS status**  
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**
- 

GHS07
- **Signal word** Warning
- **Hazard-determining components of labeling:**  
diammonium dihydroxybis[lactato(2-)-O1,O2]titanate(2-)
- **Hazard statements**  
Causes serious eye irritation.
- **Precautionary statements**  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards** No information available.

### 3 Composition/information

- **Chemical characterization: Mixture**

- **Dangerous components:**

65104-06-5	diammonium dihydroxybis[lactato(2-)-O1,O2]titanate(2-)	Eye Irrit. 2A, H319	40-60%
7732-18-5	Water	Not Classified	40-60%

### 4 First aid measures

- **Description of first aid measures**

- **General information:**

Take affected persons out into the fresh air.  
Do not leave affected persons unattended.

- **Inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

- **Skin Contact:**

Immediately rinse with water.  
If skin irritation continues, consult a doctor.

- **Eye Contact:**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  
Check for and remove any contact lenses.  
Rinse opened eye for several minutes under running water. Then consult a doctor.

- **Ingestion:**

Rinse out mouth and then drink plenty of water.  
Do not induce vomiting.  
Consult a physician if necessary.

- **Most important symptoms and effects, both acute and delayed**

Causes serious eye irritation  
Redness and Watering  
Pain or irritation

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· **Indication of any immediate medical attention and special treatment needed**

Show this safety data sheet to the doctor in attendance. Treat symptomatically.

## 5 Firefighting measures

· **Extinguishing media** In case of fire use the following suitable extinguishing agent.

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture**

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide

Metal oxides

· **Advice for firefighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

· **Protective equipment:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective clothing.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

Ensure adequate ventilation

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

· **Methods and material for containment and cleaning up:**

Stop leak if without risk.

Move containers from spill area.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

## 7 Handling and storage

· **Precautions for safe handling**

Put on appropriate personal protective equipment .

Do not ingest.

Avoid contact with eyes, skin and clothing.

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- Avoid breathing vapour or mist.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**  
Moisture-sensitive material. Once opened, container should be kept under nitrogen blanketing to prevent decomposition.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
No exposure limit value known.
- **Exposure controls**
- **Appropriate engineering controls:**  
Use local exhaust ventilation or other engineering control to maintain airborne levels below exposure limit requirement or guidelines.  
If there are no applicable exposure limit requirement or guidelines, general ventilation should be sufficient for most operations.  
Local exhaust ventilation may be necessary for some operations.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
Where there is potential for airborne exposures, wear NIOSH approved respiratory protection.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the

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resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· Information on basic physical and chemical properties

· **General Information**

· **Appearance:**

Liquid

**Form:**

Pale yellow to light brown

**Color:**

Ammoniacal.

**Odor:**

7.5 – 8.5

· **pH-value:**

- 10 °C

· **Melting point/Freezing Point :**

No data available

**Boiling point/Boiling range:**

> 100 °C (> 212 °F) (Closed cup)

· **Flash point:**

Not applicable.

· **Flammability (solid, gaseous):**

No data available.

· **Decomposition temperature:**

· **Explosion limits:**

No data available.

**Lower:**

No data available

**Upper:**

No data available.

· **Oxidizing properties**

No data available.

· **Vapor pressure:**

1.21 g/cm<sup>3</sup> (10.097 lbs/gal)

· **Relative density at 25 °C (77**

No data available

**°F) · Vapour density**

No data available

· **Evaporation rate ·**

Partially soluble in cold water and hot water.

**Solubility(water):**

· **Partition coefficient**

· **(n-octanol/water):** No data available

· **Viscosity:Dynamic:**

No data available.

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**Kinematic:** No data available.

## 10 Stability and reactivity

- **Reactivity** Under normal conditions of storage and use, hazardous reactions will not occur.
- **Chemical stability** The product is stable under storage at normal ambient temperature.
- **Possibility of hazardous reactions**  
Under normal conditions of storage and use, hazardous reactions are not known.
- **Conditions to avoid**  
Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- **Incompatible materials:**  
Reactive or incompatible with the following materials:  
Oxidizing material  
Reducing agent
- **Hazardous decomposition products:**  
Under normal conditions of storage and use, hazardous decomposition products should not be produced

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** No relevant information available.
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** Irritating effect.
- **Respiratory/ Skin sensitization:** No sensitizing effects known.
- **Germ cell mutagenicity:** No known significant effects or critical hazards.
- **Carcinogenicity:** No known significant effects or critical hazards.
- **Reproductive toxicity:** No known significant effects or critical hazards.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**  
None of the ingredients are listed.
- **NTP (National Toxicology Program)**  
None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients are listed.
- **Single dose toxicity:** No known significant effects or critical hazard.
- **Repeated Dose toxicity** No known significant effects or critical hazard.
- **Aspiration hazard** Product is not classified for aspiration hazard.

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- **Other relevant information:** No data available

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment** Not available
- **Other adverse effects** No further relevant information available.

## 13 Disposal Information

### · **Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### · **Recommendation:**

Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

### · **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA**
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA**
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class**
- **Packing group**
- **DOT, ADR, IMDG, IATA**

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- **Environmental hazards:**
- **Marine pollutant:**
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

## 15 Regulatory information

- **Sara**
- **Section 355 (extremely hazardous substances):**  
None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):**  
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- **Proposition 65**
- **Chemicals known to cause cancer:**  
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients are listed.
- **Chemicals known to cause developmental toxicity:**  
None of the ingredients are listed.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients are listed.
- **TLV (Threshold Limit Value established by ACGIH)**  
None of the ingredients are listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients are listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 16 Other information

### · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

APF = Assigned protection factor

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

IOELV: Indicative Occupational Exposure Limit Values

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Patil Dyestuff Industries provides the information contained herein in good faith and best of knowledge but makes no representation on its comprehensiveness or accuracy. This document is intended only as a guideline to the properly trained person using his product.