



PROTON GENTIAN VIOLET

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE MIXTURE AND THE COMPANY OR COMPANY.

1.1 Product identifier.

Product name: PROTON GENTIAN VIOLET

1.2 Relevant identified uses of the mixture and uses advised against.

Colorant for professional applications

Uses advised against: Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: Tattoo Proton SL
Address: Calle Real 44
Population: Congosto
Province: LION
Phone: +34 644.65.46.23
E-mail: europe@tattooproton.com
Web: www.tattooproton.com

1.4 Emergency telephone: (Only available during office hours; Monday-Friday; 10:30-17:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

According to Regulation (EU) No 1272/2008:

Aquatic Chronic 2: Toxic to aquatic organisms, with long-lasting harmful effects.

Carc. 2: Suspected of causing cancer.

Eye Dam. 1 : Causes serious eye damage.

2.2 Label elements.

Labeling according to Regulation (EU) No 1272/2008:

Pictograms:



Word of warning:

Danger

H-phrases:

H318 Causes serious eye injuries.
H351 It is suspected of causing cancer.
H411 Toxic for the aquatic organisms, with lasting noxious effects.

P-phrases:

P201 Request special instructions before use.
P273 To avoid it's releasing into the environment.
P280 Wear protective gloves/clothes/goggles/mask.
P305+P351+P338 IN CASE OF CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses when present and can be done easily. Continue with washing.
P310 Immediately call a POISON CENTER/doctor/...
P391 Collect the spill.
P501 Delete contents/container in...

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Additional hazard statements: Reserved
exclusively for professional users.

Contains:

4-[[4-(dimethylamino)phenyl][4-(methylimino)cyclohexa-2,5-dien-1-ylidene]methyl]-N,N-dimethylaniline monohydrochloride

2.3 Other dangers.

Under normal use and in its original form, the product does not have any other negative effects on health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not applicable.

3.2 Mixtures.

Substances that represent a health or environmental hazard according to Regulation (EC) No. 1272/2008, have a community exposure limit assigned to the workplace, are classified as PBT/vPvB or included in the List of Candidates:

| Identifiers | Name | Concentration | (*)Classification - Regulation 1272/2008 | |
|---|--|---------------|---|-------------------------------|
| | | | Classification | Specific concentration limits |
| CAS NO: 603-47-4 CE No.: 210-042-3 Registration number: 01-2120770272-58-XXXX | 4-[[4-(dimethylamino)phenyl][4-monohydrochloride (methylimino)cyclohexa-2,5-dien-1-ylidene]methyl]-N,N-dimethylaniline | 2 % | Acute Tox. 4, H302 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Carc. 2, H351 - Eye Dam. 1, H318 | - |

(*) The full text of the sentences H se detailed in section 16 of this Safety Data Sheet.

SECTION 4: FIRST AID.

4.1 Description of first aid.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never administer anything orally to people who are unconscious.

Inhalation.

Place the injured person in the open air, keep him warm and at rest, if breathing is irregular or stops, practice artificial respiration.

Eye contact.

Flush eyes thoroughly with clean, cool water for at least 10 minutes, pulling up the eyelids, and seek medical attention. Do not let the person rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with soap and water or a suitable skin cleanser. NEVER use solvents or thinners.

Ingestion.

If accidentally swallowed, seek immediate medical attention. Keep him at rest. NEVER induce vomiting.

4.2 Main symptoms and effects, acute and delayed.

Corrosive product, contact with the eyes or skin can cause burns, ingestion or inhalation can cause internal damage, if this occurs, immediate medical assistance is required.

In the long term with chronic exposures it can cause injuries to certain organs or tissues.

Contact with the eyes can cause irreversible damage.

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4.3 Indication of any medical attention and special treatments that must be provided immediately.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never administer anything orally to people who are unconscious. Keep the person comfortable. Turn her onto her left side and stay there while waiting for medical help.

SECTION 5: FIRE FIGHTING MEASURES.

The product does not present any particular risk in the event of fire.

5.1 Extinguishing media.

Appropriate extinguishing media: Fire

extinguishing powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media: Do not

use direct water jet for extinguishing. In the presence of electrical voltage, it is not acceptable to use water or foam as an extinguishing medium.

5.2 Specific hazards arising from the mixture.

Special risks.

Fire can produce thick black smoke. As a result of thermal decomposition, dangerous products can be formed: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to health.

5.3 Recommendations for firefighting personnel.

Cool tanks, cisterns or containers close to the heat or fire source with water. Take into account the direction of the wind. Prevent products used in fire fighting from entering drains, sewers or water courses. Remains of product and extinguishing media can contaminate the aquatic environment.

Fire protection equipment.

Depending on the magnitude of the fire, the use of heat protection suits, self-contained breathing apparatus, gloves, protective glasses or face masks, and boots may be necessary.

SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Dangerous product for the environment, in case of large spills or if the product contaminates lakes, rivers or sewers, inform the competent authorities, according to local legislation. Avoid contamination of drains, surface or groundwater, as well as soil.

6.3 Methods and material for containment and cleaning.

Contain and collect the spill with inert absorbent material (soil, sand, vermiculite, diatomaceous earth...) and clean the area immediately with an appropriate decontaminant.

Deposit waste in closed containers suitable for disposal, in accordance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For waste disposal, follow the recommendations in section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Comply with legislation on safety and hygiene at work.

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Never use pressure to empty the containers, they are not pressure-resistant containers. Keep the product in containers made of material identical to the original.

7.2 Conditions for safe storage, including possible incompatibilities.

Store according to local legislation. Observe the indications of the tag. Store containers between 5 and 25 °C, in a dry and well-ventilated place, away from heat sources and direct sunlight. Keep away from ignition points. Keep away from oxidizing agents and strongly acidic or alkaline materials. No Smoking. Send the invite to unauthorized people. Once the containers have been opened, they must be carefully resealed and placed vertically to avoid spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end uses.

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.**8.1 Control parameters.**

The product does NOT contain substances with Environmental Limit Values for Professional Exposure. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.**Technical measures: Provide**

adequate ventilation, which can be achieved through good local extraction-ventilation and a good general extraction system.

| | |
|--|---|
| Concentration: | 100% |
| Uses: | Colorant for industrial applications |
| Respiratory protection: | |
| If the recommended technical measures are followed, no personal protective equipment is necessary. | |
| Hand protection: | |
| If the product is handled correctly, no personal protective equipment is necessary. | |
| Eye protection: | |
| If the product is handled correctly, no personal protective equipment is necessary. | |
| Skin care: | |
| PPE: Work footwear | |
| Features: «CE» Category II marking. | |
| CEN Standards: | EN ISO 13287, EN 20347 |
| Maintenance: | These items adapt to the shape of the foot of the first user. For this reason, as well as for hygiene reasons, reuse by another person should be avoided. |
| Observations: | Work footwear for professional use is that which incorporates protective elements intended to protect the user from injuries that could cause accidents; the work for which this footwear is suitable must be reviewed. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**9.1 Information on basic physical and chemical properties.**

Appearance: Liquid with characteristic odor and color
Color:

Violet

Odor: Odorless Odor

threshold: ND/NA pH: ND/NA

Melting Point: ND/NA

Boiling point/range: ND/NA

Flash point: ND/NA

Evaporation rate: ND/NA

Flammability (solid, gas): ND/NA

Lower explosion limit: ND/NA

Upper explosion limit: ND/NA

Vapor pressure: ND/NA

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Vapor density: ND/NA
Relative density: 0.997
Solubility: ND/NA
Liposolubility: ND/NA
Water solubility: ND/NA
Partition coefficient (n-octanol/water): ND/NA
Autoignition temperature: ND/NA
Decomposition temperature: ND/NA
Viscosity: ND/NA
Explosive properties: ND/NA
Oxidizing properties: ND/NA
ND/NA= Not Available/Not Applicable due to the nature of the product.

9.2 Other data.

Drop point: ND/NA
Scintillation: ND/NA
Kinematic viscosity: ND/NA
% Solids: ND/NA
ND/NA= Not Available/Not Applicable due to the nature of the product.

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present dangers due to its reactivity.

10.2 Chemical stability.

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present the possibility of dangerous reactions.

10.4 Conditions to avoid.

Avoid any type of incorrect handling.

10.5 Incompatible materials.

Keep away from oxidizing agents and strongly alkaline or acidic materials, in order to avoid exothermic reactions.

10.6 Hazardous decomposition products.

It does not decompose if it is used for its intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

No data available on product tested.

Splashes in the eyes may cause irritation and reversible damage.

a) acute toxicity;

Inconclusive data for classification.

b) skin corrosion or irritation;

Inconclusive data for classification.

c) serious eye injuries or eye irritation;

Classified product:

Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitization;

Inconclusive data for classification.

e) mutagenicity in germ cells;

Inconclusive data for classification.

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f) carcinogenicity;

Classified product:

Carcinogen, Category 2: Suspected of causing cancer.

g) reproductive toxicity;

Inconclusive data for classification.

h) specific target organ toxicity (STOT) - single exposure;

Inconclusive data for classification.

i) specific target organ toxicity (STOT) - repeated exposure;

Inconclusive data for classification.

j) danger due to aspiration;

Inconclusive data for classification.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

There is no information available regarding the Ecotoxicity of the substances present.

12.2 Persistence and degradability.

There is no information available regarding the biodegradability of the substances present.

There is no information available regarding the degradability of the substances present.

There is no information available on the persistence and degradability of the product.

12.3 Bioaccumulation Potential.

There is no information available regarding the Bioaccumulation of the substances present.

12.4 Mobility on the ground.

There is no information available on mobility on the ground.

The product should not be allowed to enter sewers or water courses.

Avoid penetration into the ground.

12.5 Results of the PBT and vPvB assessment.

There is no information available on the PBT and vPvB rating of the product.

12.6 Other adverse effects.

There is no information available on other adverse effects on the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Methods for waste treatment.

It is not allowed to be discharged into sewers or water courses. Waste and empty containers must be handled and disposed of in accordance with current local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: INFORMATION RELATING TO TRANSPORTATION.

Transport following ADR/TPC standards for road transport, RID for rail, IMDG for sea and ICAO/IATA for air transport.

Land: Road transport: ADR, Rail transport: RID.

Transport documentation: Consignment note and written instructions.

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading.

Air: Transportation by plane: IATA/ICAO.

Transport document: Air waybill.

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14.1 UN number.

UN No.: UN3077

14.2 Proper shipping name of the United Nations.

Description:

ADR: UN 3077, SOLID ENVIRONMENTALLY HAZARDOUS SUBSTANCE, NEP, 9, GE III, (-)

IMDG: UN 3077, SOLID ENVIRONMENTALLY HAZARDOUS SUBSTANCE, NEP (4-[[4-MONOHYDROCHLORIDE (DIMETHYLAMINO)PHENYL][4-(METHYLIMINO)CYCLOHEXA-2,5-DIEN-1-YLIDENE]METHYL]-N,N-DIMETHYLANILINE), 9, GE/E III, MARINE POLLUTANTS ICAO/IATA:

UN 3077, SOLID ENVIRONMENTALLY HAZARDOUS SUBSTANCE, NEP, 9, GE III

14.3 Transport hazard class(es).

Class(es): 9

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

14.6 Special precautions for users.

Tags: 9



Hazard number: 90

ADR limited quantity: 5 kg

IMDG limited quantity: 5kg

ICAO limited quantity: 30 kg B

Provisions relating to bulk transport in ADR:

VC1 Bulk transport is authorized in covered vehicles, in covered containers or in covered bulk containers.

VC2 Bulk transport is authorized in covered vehicles, in closed containers or in closed bulk containers.

Transport by ship, FEm - Emergency sheets (F – Fire, S – Spills): FA,SF Act according to point 6.

14.7 Transport in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code.

The product is not affected by bulk transport in ships.

SECTION 15: REGULATORY INFORMATION.

15.1 Regulations and legislation on safety, health and the environment specific to the mixture.

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Classification of the product according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 relating to the marketing and use of biocides .

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The product is not affected by the procedure established in Regulation (EU) No 649/2012, relating to the export and import of dangerous chemicals.

Restrictions on the manufacture, marketing and use of certain dangerous substances and mixtures:

| Name of the substance, groups of substances or mixtures 28. Substances | Restrictions |
|---|---|
| <p>listed in Annex VI, Part 3 of Regulation (EC) No 1272/2008 classified as category carcinogens 1A or 1B (Table 3.1) or carcinogens of category 1 or 2 (table 3.2), and cited from following way:</p> <ul style="list-style-type: none"> - Category 1A carcinogen (table 3.1)/category 1 carcinogens (table 3.2) included in appendix 1 - Category 1B carcinogen (table 3.1)/category 2 carcinogens (table 3.2) included in appendix 2 | <p>1. It may not be marketed or used:</p> <ul style="list-style-type: none"> - as substances, - as components of other substances, or - in mixtures, <p>for sale to the general public when the individual concentration in the substance or mixture is greater than or equal to:</p> <ul style="list-style-type: none"> - either to the corresponding specific concentration limit established in the Annex VI, Part 3, to Regulation (EC) No 1272/2008, or - the relevant concentration set out in Directive 1999/45/EC, when it is not has assigned a specific concentration limit in Annex VI, part 3, of Regulation (EC) No 1272/2008 <p>Without prejudice to the application of other Community provisions on classification, packaging and labeling of substances and mixtures, suppliers must ensure, before marketing, that the packaging of such substances or mixtures clearly, legibly and indelibly bear the mention following:</p> <p>"Only reserved for professional users".</p> <p>2. However, point 1 shall not apply to:</p> <ul style="list-style-type: none"> a) medicines for human or veterinary use, as defined in Directive 2001/82/EC and in Directive 2001/83/EC; b) cosmetic products as defined by Directive 76/768/EEC; c) the following fuels and petroleum products: <ul style="list-style-type: none"> - the fuels referred to in Directive 98/70/EC, - derivatives of hydrocarbons, intended for use as fuels in mobile or fixed combustion installations, - fuels sold in a closed system (for example, fuel cylinders) Liquid gas); d) paintings for artists covered by Directive 1999/45/EC; e) substances listed in Appendix 11, column 1, for applications or uses listed in Appendix 11, column 2. If you specify a date in column 2 of Appendix 11, the exemption will apply until the mentioned date. |

15.2 Chemical safety assessment.

A chemical safety assessment of the product has not been carried out.

SECTION 16: OTHER INFORMATION.

Full text of the H-phrases that appear in section 3:

| | |
|------|---|
| H302 | Harmful if swallowed. |
| H318 | Causes serious eye injuries. |
| H351 | It is suspected of causing cancer. |
| H400 | Very toxic for aquatic organisms. |
| H410 | Very toxic to aquatic organisms, with long-lasting harmful effects. |

Classification codes:

Acute Tox. 4 : Acute oral toxicity, Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effects to the aquatic environment, Category 1
Aquatic Chronic 2 : Chronic effects to the aquatic environment, Category 2
Carc. 2 : Carcinogen, Category 2
Eye Dam. 1 : Serious eye damage, Category 1

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Classification and procedure used to determine the classification of mixtures under the Regulation (EC) No. 1272/2008 [CLP]:

| | |
|-----------------------|---|
| Physical hazards | According to data obtained from the tests |
| Health hazards | Calculation method |
| Environmental hazards | Calculation method |

It is advisable to carry out basic training regarding occupational safety and hygiene to carry out correct handling of the product.

Abbreviations and acronyms used:

ADR: European agreement on the international transport of dangerous goods by road.

CEN: European Committee for Standardization.

EPI: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Dangerous Goods Code.

RID: Regulation concerning the international transport of dangerous goods by rail.

Main bibliographical references and data sources: <http://eur-lex.europa.eu/homepage.html> <http://echa.europa.eu/>

<http://echa.europa.eu/>

echa.europa.eu/

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information provided in this Safety Data Sheet has been prepared in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, relating to the registration, evaluation, authorization and restriction of chemical substances and mixtures (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

The information in this Product Safety Data Sheet is based on current knowledge and current EC and national laws, as the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified, without first having written instructions on its handling. It is always the user's responsibility to take the appropriate measures in order to comply with the requirements established in the legislation.