

Safety Data Sheet  
PRISMA TECH ZINC

Safety Data Sheet dated 8/11/2019, version 2

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

## 1.1. Product identifier

Mixture identification:

Trade name: PRISMA TECH ZINC

Trade code: 91085

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Spray painting decorative household, industrial and professional

## 1.3. Details of the supplier of the safety data sheet

Company:

**Schuller Eh' klar GmbH, Im Astenfeld 6, A-4490, St. Florian****Tel.: +43 7224 68200; Fax: +43 7224 68282**

Competent person responsible for the safety data sheet:

office@schuller.eu

## 1.4. Emergency telephone number

National Poison Centre – Poison Information Service 111

**SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):



Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, STOT SE 3, May cause drowsiness or dizziness.



Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

## 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P391 Collect spillage.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

acetone; propan-2-one; propanone

n-butyl acetate

Special provisions according to Annex XVII of REACH and subsequent amendments:

Restricted to professional users.


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**2.3. Other hazards**

vPvB Substances: None - PBT Substances: None

Other Hazards:












No other hazards

**SECTION 3: Composition/information on ingredients**
**3.1. Substances**

N.A.

**3.2. Mixtures**

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty              | Name                                 | Ident. Number  | Classification   |
|------------------|--------------------------------------|--|--|
| >= 20% - < 25%   | acetone; propan-2-one; propanone     | Index number: 606-001-00-8<br>CAS: 67-64-1<br>EC: 200-662-2  |  2.6/2 Flam. Liq. 2 H225<br> 3.3/2 Eye Irrit. 2 H319<br> 3.8/3 STOT SE 3 H336<br>EUH066 |
| >= 15% - < 20%   | propane                              | Index number: 601-003-00-5<br>CAS: 74-98-6<br>EC: 200-827-9<br>REACH No.: 01-2119486944-2<br>1-XXXX  |  2.2/1 Flam. Gas 1 H220   |
| >= 10% - < 12.5% | dimethyl carbonate                   | Index number: 607-013-00-6<br>CAS: 616-38-6<br>EC: 210-478-4<br>REACH No.: 01-2119548399-2<br>3-XXXX |  2.6/2 Flam. Liq. 2 H225   |
| >= 10% - < 12.5% | n-butyl acetate                      | Index number: 607-025-00-1<br>CAS: 123-86-4<br>EC: 204-658-1<br>REACH No.: 01-2119485493-2<br>9-XXXX |  2.6/3 Flam. Liq. 3 H226<br> 3.8/3 STOT SE 3 H336<br>EUH066  |
| >= 7% - < 10%    | butane                               | Index number: 601-004-00-0<br>CAS: 106-97-8<br>EC: 203-448-7<br>REACH No.: 01-2119474691-3<br>2-XXXX | 2.3/3 Aerosols 3 H229<br> 2.2/1 Flam. Gas 1 H220  |
| >= 5% - < 7%     | and isobutane                        | Index number: 601-004-00-0<br>CAS: 75-28-5<br>EC: 200-857-2<br>REACH No.: 01-2119485395-2<br>7-XXXX  |  2.2/1 Flam. Gas 1 H220   |
| >= 2.5% - < 5%   | zinc powder - zinc dust (stabilized) | Index number: 030-002-00-7<br>CAS: 7440-66-6<br>EC: 231-175-3  |  4.1/A1 Aquatic Acute 1 H400<br> 4.1/C1 Aquatic Chronic 1 H410   |

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**4.2. Most important symptoms and effects, both acute and delayed**

None

**4.3. Indication of any immediate medical attention and special treatment needed**



In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:  
None

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media:  
CO<sub>2</sub> or Dry chemical fire extinguisher.  
Extinguishing media which must not be used for safety reasons:  
None in particular.

**5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.

**5.3. Advice for firefighters**

Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Remove all sources of ignition.  
Remove persons to safety.  
See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand

**6.3. Methods and material for containment and cleaning up**

Wash with plenty of water.

**6.4. Reference to other sections**

See also section 8 and 13

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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.  
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Cool and adequately ventilated.

**7.3. Specific end use(s)**

None in particular

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

acetone; propan-2-one; propanone - CAS: 67-64-1  
EU - TWA(8h): 1210 mg/m<sup>3</sup>, 500 ppm  
ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair  
propane - CAS: 74-98-6  
ACGIH - Notes: (D, EX) - Asphyxia  
VLE short - 1000 ppm  
n-butyl acetate - CAS: 123-86-4  
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr  
butane - CAS: 106-97-8  
ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair  
and isobutane - CAS: 75-28-5  
ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair  
VLE short - 1000 ppm

DNEL Exposure Limit Values



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N.A.  
 PNEC Exposure Limit Values  
 N.A.  
 8.2. Exposure controls  
 Eye protection:  
 Use close fitting safety goggles, don't use eye lens.  
 Protection for skin:  
 No special precaution must be adopted for normal use.  
 Protection for hands:  
 Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.  
 Respiratory protection:  
 Use adequate protective respiratory equipment.  
 Thermal Hazards:  
 None  
 Environmental exposure controls:  
 None  
 Appropriate engineering controls:  
 None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties                                    | Value   | Method: | Notes: |
|---|---|---------|--------|
| Appearance and colour:                        | Liquid aspect (under pressure), typical colour. | --      | --     |
| Odour:  | Characteristic of solvent                       | --      | --     |
| Odour threshold:                              | N.A.  | --      | --     |
| pH:   | N.A.  | --      | --     |
| Melting point / freezing point:               | N.A.  | --      | --     |
| Initial boiling point and boiling range:      | N.A.  | --      | --     |
| Flash point:                                  | Inf. 0 ° C                                      | --      | --     |
| Evaporation rate:                             | N.A.  | --      | --     |
| Solid/gas flammability:                       | Extremely flammable                             | --      | --     |
| Upper/lower flammability or explosive limits: | N.A.  | --      | --     |
| Vapour pressure:                              | a 20°C - 4,0 bar<br>a 50°C - 8,0 bar            | --      | --     |
| Vapour density:                               | > of air.                                       | --      | --     |
| Relative density:                             | 0,75 - 0,80 g/ml                                | --      | --     |
| Solubility in water:                          | NO  | --      | --     |
| Solubility in oil:                            | SI  | --      | --     |
| Partition coefficient (n-octanol/water):      | N.A.  | --      | --     |
| Auto-ignition temperature:                    | N.A.  | --      | --     |
| Decomposition temperature:                    | N.A.  | --      | --     |
| Viscosity:                                    | N.A.  | --      | --     |
| Explosive properties:                         | N.A.  | --      | --     |
| Oxidizing properties:                         | N.A.  | --      | --     |

9.2. Other information

| Properties                           | Value | Method: | Notes: |
|--------------------------------------|-------|---------|--------|
| Miscibility:                         | N.A.  | --      | --     |
| Fat Solubility:                      | N.A.  | --      | --     |
| Conductivity:                        | N.A.  | --      | --     |
| Substance Groups relevant properties | N.A.  | --      | --     |

SECTION 10: Stability and reactivity

10.1. Reactivity  
 Stable under normal conditions  
 10.2. Chemical stability  
 Stable under normal conditions  
 10.3. Possibility of hazardous reactions



- None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products  
None.

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**SECTION 11: Toxicological information**

- 11.1. Information on toxicological effects  
Toxicological information of the product:  
N.A.  
Toxicological information of the main substances found in the product:  
acetone; propan-2-one; propanone - CAS: 67-64-1  
LD50 (RABBIT) ORAL: 5300 MG/KG

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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**SECTION 12: Ecological information**

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.  
zinc powder - zinc dust (stabilized) - CAS: 7440-66-6  
a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Daphnia = 0.44 mg/l - Duration h: 96
- 12.2. Persistence and degradability  
None  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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**SECTION 13: Disposal considerations**

- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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**SECTION 14: Transport information**

- 14.1. UN number  
ADR-UN number: 1950  
IATA-Un number: 1950  
IMDG-Un number: 1950
- 14.2. UN proper shipping name  
ADR-Shipping Name: AEROSOL  
IATA-Technical name: AEROSOL  
IMDG-Technical name: AEROSOL
- 14.3. Transport hazard class(es)  
ADR-Class: 2.5F  
IATA-Class: 2.1  
IATA-Label: 2.1  
IMDG-Class: 2
- 14.4. Packing group  
ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -


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- 14.5. Environmental hazards  
 Marine pollutant: Marine pollutant
- 14.6. Special precautions for user  
 IATA-Passenger Aircraft: ----  
 IATA-Cargo Aircraft: 203  
 IMDG-Technical name: AEROSOL  
 IMDG-Page: F-D, S-U  
 IMDG-EMS: F-D, SU
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
 N.A.

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) 2015/830  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
 Regulation (EU) n. 2016/918 (ATP 8 CLP)  
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
 Regulation (EU) n. 2017/776 (ATP 10 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3  
 Restriction 40

Restrictions related to the substances contained:

Restriction 28  
 Restriction 29

Volatile Organic compounds - VOCs = 554.40 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)  
 Regulation (EC) nr 648/2004 (detergents).  
 Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1  
 Product belongs to category: P3a, E2

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

**SECTION 16: Other information**

Text of phrases referred to under heading 3:

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 H220 Extremely flammable gas.  
 H226 Flammable liquid and vapour.  
 H229 Pressurized container: may burst if heated.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

| Hazard class and hazard category | Code  | Description                  |
|----------------------------------|-------|------------------------------|
| Flam. Gas 1                      | 2.2/1 | Flammable gas, Category 1    |
| Aerosols 1                       | 2.3/1 | Aerosol, Category 1          |
| Aerosols 3                       | 2.3/3 | Aerosol, Category 3          |
| Flam. Liq. 2                     | 2.6/2 | Flammable liquid, Category 2 |



|                   |        |  |
|-------------------|--------|--|
| Flam. Liq. 3      | 2.6/3  | Flammable liquid, Category 3                                 |
| Eye Irrit. 2      | 3.3/2  | Eye irritation, Category 2                                   |
| STOT SE 3         | 3.8/3  | Specific target organ toxicity - single exposure, Category 3 |
| Aquatic Acute 1   | 4.1/A1 | Acute aquatic hazard, category 1                             |
| Aquatic Chronic 1 | 4.1/C1 | Chronic (long term) aquatic hazard, category 1               |
| Aquatic Chronic 2 | 4.1/C2 | Chronic (long term) aquatic hazard, category 2               |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Aerosols 1, H222+H229                                     | On basis of test data    |
| Eye Irrit. 2, H319  | Calculation method       |
| STOT SE 3, H336   | Calculation method       |
| Aquatic Chronic 2, H411                                   | Calculation method       |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

|             |  |
|-------------|--|
| ADR:        | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| ATE:        | Acute Toxicity Estimate  |
| ATEmix:     | Acute toxicity Estimate (Mixtures)   |
| CAS:        | Chemical Abstracts Service (division of the American Chemical Society).              |
| CLP:        | Classification, Labeling, Packaging.   |
| DNEL:       | Derived No Effect Level.   |
| EINECS:     | European Inventory of Existing Commercial Chemical Substances.                       |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany.  |
| GHS:        | Globally Harmonized System of Classification and Labeling of Chemicals.              |
| IATA:       | International Air Transport Association.   |
| IATA-DGR:   | Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  |
| ICAO:       | International Civil Aviation Organization.   |
| ICAO-TI:    | Technical Instructions by the "International Civil Aviation Organization" (ICAO).    |
| IMDG:       | International Maritime Code for Dangerous Goods.                                     |
| INCI:       | International Nomenclature of Cosmetic Ingredients.                                  |
| KSt:        | Explosion coefficient.   |
| LC50:       | Lethal concentration, for 50 percent of test population.                             |
| LD50:       | Lethal dose, for 50 percent of test population.                                      |
| PNEC:       | Predicted No Effect Concentration.   |
| RID:        | Regulation Concerning the International Transport of Dangerous Goods by Rail.        |
| STEL:       | Short Term Exposure limit.   |
| STOT:       | Specific Target Organ Toxicity.  |
| TLV:        | Threshold Limiting Value.  |
| TWA:        | Time-weighted average  |
| WGK:        | German Water Hazard Class.   |