



**VEER VIJAY CHEMICALS**

## Safety Data Sheet



**Safety Data Sheet REG. 002/2017 Date : 2/06/18**

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

#### 1.1. Product identifier

Mixture identification

Trade name : Vero Brush Off/ Vero- PU

Trade code : V0- x01010x.....

Chemical property : resins dissolved in organic solvents

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

Recommended use : Colorant product-finishing for industrial use / professional

Not suitable for domestic use

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

Seller

VEER VIJAY CHEMICALS

F-54, Site-B, Surajpur Industrial Area Greater Noida (U.P.)

Competent person responsible for the safety data sheet :

Email: veervijaychemicals@gmail.com

#### 1.4 Emergency telephone number :

Veer Vijay Chemicals - M.: 7838815411

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Directive criteria, 67/548/EC, 99/45/EC and following amendments thereof :

Properties / Symbols

F Highly flammable

R Phrases :

R11 Highly flammable

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking

Adverse physicochemical, human health and environmental effects :

No other hazards

#### 2.2 Label elements



XI



F

Symbols :

Xi irritant

F Highly flammable

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### R Phrases:

- R11 Highly flammable.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.

### S Phrases:

- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe vapour/spray.
- S25 Avoid contact with eyes.
- S33 Take precautionary measures against static discharges.
- S43 In case of fire, use chemical powder, foam or atomized water fire extinguishers.
- S9 Keep container in a well-ventilated place.

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

None

### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

### Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

25%-40% (Acrylic Resin) acetone; propan-2-one; propanone

N67/548/ CEE 603-108-00-1 CAS No.- 78-83-1 EC: 201-148-0 CAS :9003-01-4, EC : 200-662-1

## 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:



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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 induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use chemical powder, foam or atomized water fire extinguishers.

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.

### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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



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See also section 8 and 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

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

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

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

None in particular

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

acetone; propan-2-one; propanone - CAS: 67-64-1

TLV TWA - 500 ppm, A4 - 1187,12 mg/m<sup>3</sup>, A4

TLV STEL - 750 ppm, A4 - 1780,67 mg/m<sup>3</sup>, A4

VLE 8h - 1210 mg/m<sup>3</sup> - 500 ppm

#### DNEL Exposure Limit Values

acetone; propan-2-one; propanone - CAS: 67-64-1

Worker Industry: 186 mg/kg - Exposure: Human Dermal Long Term, systemic effects

Worker Industry: 2420 mg/m<sup>3</sup> - Exposure: Human Inhalation Short Term, systemic effects

Worker Industry: 1210 mg/m<sup>3</sup> - Exposure: Human Inhalation Long Term, systemic effects

#### PNEC Exposure Limit Values

acetone; propan-2-one; propanone - CAS: 67-64-1

Target: Fresh Water - Value: 10.6 mg/l

Target: Marine water - Value: 1.06 mg/l

Target: Water - intermittent releases - Value: 21 mg/l

Target: Freshwater sediments - Value: 30.4 mg/kg

Target: Marine water sediments - Value: 3.04 mg/kg

Target: Soil (agricultural) - Value: 33.3 mg/kg

Target: Sewage treatment plant - Value: 100 mg/l

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### 8.2. Exposure controls

#### Eye protection:

Use close fitting safety goggles, don't use eye lens.

#### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

#### 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, e.g. CEN/FFP-2 or CEN/FFP-3.

#### Thermal Hazards:

None

#### Environmental exposure controls:

None

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance and colour:	liquid
Odour:	typic (mixture of solvents)
Initial boiling point and boiling range:	39 - 154 °C
Solid/gas flammability:	not determined
Solubility in water:	very scarce
Explosive properties:	no explosive properties
Oxidizing properties:	no comburent properties

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

It may generate dangerous reactions (See subsections below)

### 10.2. Chemical stability

It may generate dangerous reactions (See subsections below)

### 10.3. Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides and powerful reducing agents.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

### 10.4. Conditions to avoid

Avoid accumulating electrostatic charge.

### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information



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### 11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

acetone; propan-2-one; propanone - CAS: 67-64-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 15800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l - Duration: 4h

acetone; propan-2-one; propanone - CAS: 67-64-1

\* Target organs \*

Skin, mucosa.

\* Symptoms \*

Acute intoxication through inhalation: irritation of the eyes, respiratory tract.

\* Chronic intoxication \*

Following repeated exposure: irritation to the eyes and respiratory tract.

If not differently specified, the information required in Regulation 453/2010/EC 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

acetone; propan-2-one; propanone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 5540 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 8800 mg/l - Duration h: 48

Adopt good working practices, so that the product is not released into the environment.

### 12.2. Persistence and degradability

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.

### SECTION 14: Transport information

#### 14.1. UN number

ADR-Un number: UN 1263  
IATA-Un number: UN 1263  
IMDG-Un number: UN 1263

#### 14.2. UN proper shipping name

14.2 UN proper shipping name: PAINTS

#### 14.3. Transport hazard class(es)

ADR-Class: 3  
IATA-Class: 3  
IMDG-Class: 3

#### 14.4. Packing group

ADR-Packing group: II  
IATA-Packing group: II  
IMDG-Packing group: II

#### 14.5. Environmental hazards

Marine pollutant: no

#### 14.6. Special precautions for user

ADR-Tunnel Restriction Code: (D/E)

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 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. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

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

Restriction 3

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)





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15.2. Chemical safety assessment  
No

### SECTION 16: Other information

Text of phrases referred to under heading 3:

R11 Highly flammable.  
R36 Irritating to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.  
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  
CCNL - Appendix 1  
Insert further consulted bibliography

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.
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.





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KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	