

# MATERIAL SAFETY DATA SHEET

MSDS Name: 2K Primer

MSDS Creation Date: 2022-01-01

Edition: 2.0

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## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Identification:

-Trade Name: 2K Primer

-English Name: 2K Primer

Manufacturer / Supplier Identification:

- Manufacturer: Vehicolor Limited

Zip code: 511363

Tel: 0086-20-83791220

## SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

Composition /Information on ingredients:

Chemical properties of formulation: mixture of acrylic, pigment and solvent.

Harmful ingredients:	CAS No.	Weight %	Risk phrases
n-butyl acetate	123-86-4	10-15	R 66-67
1-Methoxy-2-propyl acetate	108-65-6	5-8	Xi; R 36
Xylene	1330-20-7	10-15	Xn; R 20/21-38

R20– Harmful by inhalation;

R20/21 – Harmful by inhalation and in contact with skin;

R36–Irritating to eyes,

R38 – Irritating to skin.

R66 – Repeated exposure may cause skin dryness or cracking;

R67 – Vapors may cause drowsiness and dizziness.

## SECTION 3 HAZARDS IDENTIFICATION

**Potential Health Effects:**

Emergency Overview:

Warning: Class 3.3 Flammable-Irritating-Harmful-Harmful to environment-Sensitization-Hazard.

Flammable; Irritating to skin; Harmful by inhalation and in contact with skin; Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Be allergic in contact with skin or by inhalation.

Uniform standards for drugs and toxins cataloging: S5.

Special Hazard: Unknown.

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## SECTION 4 FIRST AID MEASURES

- General Information:  
Get medical aid immediately if symptoms persist or appear other doubts; Do not let unconscious person swallow anything.
- Inhalation:  
Remove from exposure and move to fresh air immediately. keep victim warm and resting. If not breathing or breathing difficult, give artificial respiration. If victim is unconscious, keep lie on side and get medical aid.
- Skin:  
Prohibiting the use of solvent and thinner, Immediately flush skin with soap and plenty of water or certified skin cleaner for a long time.
- Eye:  
Remove contact lenses, immediately flush eyes with plenty of water for at least 10 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- Ingestion:  
Get medical aid immediately if accidentally swallowed. Keep rest and non-emetic.

## SECTION 5 FIRE FIGHTING MEASURES

General Information:

- Optional fire-extinguishing media: Anti-alcohol foam, Carbon dioxide, dry chemical and water spray.
- For safety reason, running water is forbidden to be used.
- Special hazards from substance, flaming by-products or released gas:  
Black thick smoke released from combustion contains harmful decomposition substance(See Section 10), which has health hazard if contact.
- Firemen's Personal Protection: Respiratory protection equipment.
- Other methods: Use water spray to cool fire-exposed containers. Cool containers with flooding quantities of water until well after fire is out.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal protection:  
Keep away from ignition source, use proper personal protective equipment as indicated in Section 7 and 8. keep ventilation and refuse vapor contact.
- Environmental protection:  
Discharging is prohibited, Inform local government according to regulations if local river, pool and waste water are contaminated.
- Spills/Leaks:  
Absorb spill or collect leaks with inert material (e.g. vermiculite, sand or earth, kieselguhr), then place in suitable container, disposal in accordance with local regulations. avoid using solvent.

## SECTION 7 HANDLING AND STORAGE

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### Handling Precautions:

#### - Recommendations for safety operation:

Prevent vapor in the air to be flammable or explosive concentrations, avoid vapor concentration higher than the Occupational exposure limits. Used only in the absence of flame and other ignition source. Products may accumulate static electricity: use grounding wire when shifting. Wear anti-static shoes and protective clothing and use spark-proof tools. Avoid skin and eye contact. Avoid breathing vapor or spray. Ban smoking, eating and drinking. See Section 8 for Personal protection. Must operate in the spray room whether spraying or not, Ventilation is not enough to control the particles and solvent vapors, so spraying operations must comply with the restrictions.

#### Explosion-proof recommendations:

For solvent vapor is heavier than air and may spread along the ground, vapor may form explosive mixtures with air.

### Storage Precautions:

#### - Storage areas and container requirements:

Keep container tightly closed, do not clear container by pressure: non-smoking, only authorized personnel. Turn-off containers must be carefully resealed and kept upright to prevent leakage.

#### - General storage recommendations:

Keep away from oxidizing agents and strong acids or alkaline substances.

#### - Storage information:

Materials should be kept in original container. Compliance with marked safety measures. Keep away from heat and sunlight. Keep away from ignition sources.

## SECTION 8 EXPOSURE CONTROL, PERSONAL PROTECTION

Engineering conditions: Keep adequate ventilation. by Local Exhaust Ventilation or by Good Full Exhaust. If this does not fully make particle concentration lower than Occupational Exposure Limit, wearing a suitable respirator is a must.

### Personal Protective Equipment:

Respiratory Protection: Wear appropriate certified respirators when working in concentration above Exposure Limit. Due to the ventilation can not adequately control particles and solvent vapor, operators should wear positive pressure self-contained breathing apparatus, until the concentration and vapor is below Exposure Limit.

Eye Protection: Safety glasses.

Hand Protection: Solvent resistant gloves.

### Health Measures:

Do not breathe dust or spray mist. Keep away from foodstuffs, beverages and animal feed. Wash your hands before rest breaks and after off duty.

### Exposure Limit:

Safety Data of TWA is not available to titled product so far.

N-butyl acetate: Safety data TWA = 150 ppm = 713 mg/m<sup>3</sup>, STEL = 200 ppm = 950 mg/m<sup>3</sup> (1995);

1-Methoxy-2-propyl acetate: Safety data AEL(8h TWA and 12hTWA)=10 ml/m<sup>3</sup> ;

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Xylene: Safety data TWA=80ppm=350mg/ m<sup>3</sup> ; STEL=150ppm=655mg/ m<sup>3</sup>(1995)

Notes: TWA – Time-weighted Average: STEL – Short-term Exposure Limit: AEL – Acceptable Exposure Limit.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Physical state:	Liquid
	Color:	Grey
	Odor:	Solvent-like odor
PH: ( °C)	Not applicable	
Flash Point:	27 °C	Closed up test
Autoignition Temperature:	421°C	
Relative Density : (20 °C)	From 1.4 kg/l to 1.5 kg/l (depends on color)	
Solubility in water ( °C)	Insoluble g/l	
Viscosity: ( 23°C)	>150s	
Explosion Limits, -lower:	0.6 vol. %	
-upper	28 vol. %	

### SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:

Stable under recommended storage conditions.(see Section 7)

Conditions to Avoid:

Avoid exothermic reaction, away from oxidizing agents, strong base and strong acid, etc.

Hazardous Decomposition products:

Exposure to high temperature may produce hazardous products: Carbon Oxide Carbon dioxide, smoke, nitrogen oxides.

### SECTION 11 TOXICOLOGICAL INFORMATION

Practical Observation:

Further Observation: Exposure to solvent vapor concentration more than Occupational Exposure Limit causes adverse effects on health, such as irritating to mucosa and respiratory system, as well as adverse effects on kidney, liver and central nervous system. Signs and symptoms include headache, dizziness, fatigue, weakness, drowsiness, etc., in extreme cases coma.

Common Observation:

No data on the product itself. See Section 2 and 5 for details.

### SECTION 12 ECOLOGICAL INFORMATION

Ecological impact: No Data.

### SECTION 13 DISPOSAL CONSIDERATIONS

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### Discharged Waste:

Classified as Hazardous Waste. Dispose of in a manner consistent with applicable laws and regulations. Discharging into sewer directly is prohibited

### Contaminated Packaging:

Classified as Hazardous Waste. Dispose of in a manner consistent with applicable laws and regulations. Completely inverted and scraped packaging can be disposed as industrial waste or be recycled.

### Recommendations:

Emptied containers crack or recycle. Incomplete emptying containers disposed of as hazardous waste.

## SECTION 14 TRANSPORT INFORMATION

### Inland Transport:

1. Classified as Class 5.2 Organic peroxides in Name List of Dangerous Goods (GB12268-90);
  2. Regulation of Automobile Transport of Dangerous Goods (JT3130-88) has made specific provisions on its
- Road Transport.

3. Rule of Rail Transport of Dangerous Goods (Rail transport [1995] No. 104) has made specific provisions on its Rail Transport.
4. Regulation of Waterway Transport of Dangerous Goods (November 4, 1996 Traffic Order No. 10 issued in 1996) has made specific provisions on its Waterway Transport.
5. Dangerous Goods Transport Regulations of Chinese Civil Aviation (February 27, 1996 CAAC Order No. 48 setting), has made specific provisions on its Air Transport.

International Transport: UN No.: 1263

Road, rail, sea and air transportation are available only in accordance with road and rail transport of dangerous goods (classification / packaging and labeling).

### Road/Rail Transport:

Environment Protection Group(EPG): 3C1

Dangerous Chemical: 3[Y] E

Hazard Class: 3      Item: 31(b)

Risk Label: 3

Transport Emergency Card: 30G80

HI/UN No.:

Shipping Name: Automotive Refinish

### International Civil Aviation Organization (ICAO):

UN/ID No.: 1263

Hazard Class: 3

Sub Risk:

Packing Group: II

Risk Label: Flammable Liquid

Shipping Name: Automotive Refinish

### International Maritime Organization(IMO):

Hazard Class: 3.2

Page of International Maritime Dangerous Goods(IMDG): 3268      Sub Risk:

Packing group: II

Risk Label: Flammable Liquid

Emergency Procedure Schedule (EmS): F-E,S-E

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Medical First Aid Guide(MFAG):310

Shipping Name: Automotive Refinish

### SECTION 15 REGULATORY INFORMATION

#### Domestic Regulations:

Name List of Dangerous Goods (GB12268-90),

Regulation of Automobile Transport of Dangerous Goods (JT3130-88).

Rule of Rail Transport of Dangerous Goods (Rail transport [1995] No. 104).

Regulation of Waterway Transport of Dangerous Goods (November 4 1996 Ministry of Communication Order No. 10 issued in 1996).

Dangerous Goods Transport Regulations of Chinese Civil Aviation (February 27th, 1996 CAAC Order No. 48 setting).

#### International Regulations:

Hazard Symbols: Xn –Harmful

F- Highly inflammable

#### Risk Phrases:

R11 Flammable.

R20/21 – Harmful by inhalation and in contact with skin;

#### Safety Phrases:

S23 Do not breathe vapor.

S38 In case of insufficient ventilation, wear suitable respiratory equipment

S16 Keep away from sources of ignition-No smoking

For Container with more than 5L volume,

S33 Take precautionary measures against static discharges

S29 Do not empty into drains

The information above is believed to be accurate and satisfied with European and National law requirements based on our current knowledge. However, we make no warranty of availability for any conditions beyond our knowledge and control, and we assume no liability resulting from other use beyond above unless special written permission. Users should make their own responsibility to take necessary measures for laws and rules purposes. In no way shall the company be liable for any guarantee and specifications because of information above just giving to guide the safety operation, use, processing, storage, transportation, disposal of waste and leakage, etc.. Related information is only for specific substance specified, for such material used in combination with any other substance, or in any process using is invalid, unless otherwise stated in the description.