



# SAFETY DATA SHEET

Nail polishes #VW3233

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: Nail polish #VW3233

Uses or/and applications: Products for nail care and make-up.

Intermediates for manufacture of nail polish.

Supplier: International V&W Company

GuangZhou YouXing Cosmetic Co.,Ltd

No.32 Building, No.2 Shuanghe St., Changhong, Baiyun District, Guangzhou, China

Phone: 86-20-3652 0253

## 2. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable.

May form flammable an explosive vapor-air mixture.

Risk of explosion by fire, shock, friction and other sources of ignition.

May explode in mixture with oxidizing compounds, strong acids and strong bases.

Specific hazards: Repeated and prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product.

Affect many plastics.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Synonym(s): Nail polish 14-15-17-26-30-35-36-37-39-56-66-70-88-93-95-96-98-107-124-125-134-135-140-141-

142-144-152-153-154-155-156-163-172-175-212-294-298-256-399-928-935-946-992/301-804-

806 / 072-076/ série 600 / Slurry

Component(s) contributing to the hazard:

• N-butyl acetate - Id No: 607-025-00-1 - CAS no: 123-86-4 - EC no: 204-658-1

Conc. wt. (%): 15 < C ≤ 55 - Classification: • R 10 • R 66 • R 67 •

• Ethyl acetate - Id No: 607-022-00-5 - CAS no: 141-78-6 - EC no: 205-500-4

Conc. wt. (%): 15 < C ≤ 55 - Classification: • F; R 11 • Xi; R 36 • R 66 • R 67 •

• Propan-2-ol; isopropyl alcohol; isopropanol - CAS no: 67-63-0 - EC no: 200-661-7

Conc. wt. (%): 2 < C ≤ 15 - Classification: • F; R 11 • Xi; R 36 • R 67 •

## 4. FIRST AID MEASURES

General advice: In all cases of doubt, or when symptoms persist, seek medical attention.

For symptom description, see item 11.

Never give anything by mouth to an unconscious person.

Inhalation: - Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.

- Artificial respiration and/or oxygen if necessary.

Skin contact: - Take off immediately all contaminated clothing.

- Wash off with soap and plenty of water.

- If skin irritation persists, take medical advice.

Eye contact: - Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

Ingestion: - Do not induce vomiting.

- Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.

## **5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), water spray, sand, earth.

Extinguishing media which must NOT

be used for safety reasons:

Do not use water jet.

Specific method(s): Cool containers / tanks with spray water if possible.

Do not allow run-off from fire fighting to enter drains or water courses.

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Specific fire hazard(s): Explosion risks of vapours.

The exposure of the containers or tightly closed drums to high temperature can cause increase of pressure.

Vapours are heavier than air and spread above ground.

In case of fire, product decomposes in: carbon oxides (CO and CO<sub>2</sub>) and smokes.

Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.

Special protective equipment for firefighters:

Use a self-contained breathing apparatus and also a protective suit..

## **6. ACCIDENTAL RELEASE MEASURES**

Personal precaution(s): Evacuate personnel to a safe area.

Remove all sources of ignition.

Be careful to flashback of fire.

Ensure adequate ventilation.

Avoid contact with skin, eyes, or clothing.

Concerning personal protective equipment to use, see item 8.

Environmental precaution(s): Stop leak without risks if possible.

Dike and contain spill.

Do not allow surface water to enter drains and sewers as this will create a potential explosive hazard. If this occurs inform local authorities immediately.

Concerning disposal elimination after cleaning, see item 13.

Method(s) for cleaning up: Scoop or vacuum spilled material rapidly in a suitable container with an explosion proof or hand pump.

Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).

Shovel into suitable and closed container for disposal.

Dispose as hazardous waste.

## **7. HANDLING AND STORAGE**

### Handling

- Precaution(s): Avoid all eyes and skin contact and do not breathe vapour and mist.

Do not eat, drink and do not smoke in areas where product is used.

Shower, eyes shower and water point in proximity.

Wear personal protective equipment (see item 8 ).

\* Handling this product may result in electrostatic accumulation. Use proper grounding procedures.

\* Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

- Technical condition(s): \* Closed system, ventilation, explosion-proof electrical equipment and lighting ventilation along floor.

Avoid static electricity discharges. Local ventilation is needed at points where vapours are expected to escape to the air in the work place.

Maximum handling temperature: < 30°C

\* The product may charge electrostatically: use earthing leads when transferring from one container to another.

\* Do NOT use compressed air for filling, discharging, or handling.

- Safe handling advice(s): \* Limit the quantity of product present in the work place to the minimum

Keep the container tightly closed. Exclude sources of heat, sparks and open flame.

Nonsparking tools should be used.

Opened containers must be carefully closed and kept upright to avoid leakage.

### Storage

- Precaution(s): Store in a place accessible by authorised persons only.

- Technical condition(s): Not flammable and waterproof underground retention basin.

- Storage condition(s): Keep container tightly closed and at a temperature not exceeding (°C): 30

Keep away from sources of ignition - No smoking.

Store away from direct sunlight or other heat sources.

Store in a well-ventilated place.

- Separation of incompatible product(s): Keep away from: strong acids, strong bases and oxidising compounds.

- Packaging / tank material: Coated steel with phenolic resin.

\* polyethylene (high density)

- Unsuitable packaging materials: - Avoid certain plastics which are soluble in product.

- rubbers

- aluminium

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering measure(s): \* Reduce the number of workers exposed and exposition to the minimum

\* The level of protection and types of controls necessary will vary depending upon

potential

exposure conditions. Select controls based on a risk assessment of local circumstances.

\* Appropriate measures include:

\* - Adequate explosion-proof ventilation to control airborne concentrations below the exposure

guidelines/limits.

\*- Shower, eyes shower and water point in proximity....

Control parameter(s):

- Exposure limit(s): • n-butyl acetate:VME ppm = 150 - VME mg/m<sup>3</sup> = 713 - VLE ppm = 200 - VLE mg/m<sup>3</sup> = 950

• ethyl acetate:VME ppm = 400 - VME mg/m<sup>3</sup> = 1440

• propan-2-ol; isopropyl alcohol; isopropanol:VME ppm = 250 - VME mg/m<sup>3</sup> = 650

Exposure limit value may fluctuate with countries. See local regulations.

- Recommended monitoring

procedures:

\* Monitoring of the concentration of substances in the breathing zone of workers or in the general

workplace may be required to confirm compliance with an OEL and adequacy of exposure

controls.

\* For some substances example of sources of recommended air monitoring methods are given

below (INRS)

n-butyl acetate For instance Draeger pump equipped with reactive tube 200/a

Isopropyl alcohol = For instance Gastec Pump equipped with Tube 113 or 113L

\* Further national methods may be available.

Personal protection equipment:

- Respiratory protection: \* Personal protective equipment should meet recommended national standards

\* If engineering controls do not maintain airborne concentrations to a level which is adequate to

protect worker health, select respiratory protection equipment suitable for the specific conditions

of use and meeting relevant legislation.

Example of suitable respiratory equipment: with vapour cartridge A meeting EN 141 (VOC gaz,

boiling point > 65°C).

- Hand protection: \* Where hand contact with the product may occur the use of gloves approved to relevant

standards (Protective gloves approved to relevant standards (Europe EN 374), minimum protective index advised 2) may provide suitable protection

- Skin and body protection: Wear suitable protective clothing type nomex 3 antistatic or cotton.

- Eye protection: Wear security glasses which protect from splashes. (conform to norm EN 166).

- Environmental exposure controls: \* Local guidelines on emission limits for volatile

substances must be observed for the discharge of exhaust air containing vapour.

Hygiene measure(s): Handle in accordance with good industrial hygiene and safety practice.

Keep workplace clean and tidy as much as possible.

\* Regular cleaning of equipment, work area and clothing.

Do not eat, drink, or smoke during work.

Keep away from food, drink and animal feed.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

General information

- Physical state / form: liquid
- Colour: colourless / amber or pigmented
- Odour: characteristic

Important health, safety and environmental information

- PH: Not applicable.
- Boiling point/range: Not determined.
- Flash point: 1°C
- Explosion limits: n-butyl acetate = > 1.7 and < 7.6 %Vol in air
- Relative density (water = 1): 0.95 - 1.5
- Viscosity: Also consult publication: Technical Data Sheet concerned.
- Water solubility: immiscible
- Fat solubility: Not applicable.
- Solvent solubility: completely soluble (ketones, esters...)

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## **SAFETY DATA SHEET**

**Nail polishes VW3233**

**Version: 732/e Review date: 09-2007 1907/2006/EC - ISO 11014-1**

Other data: Also consult publication: Technical Data Sheet concerned

### **10. STABILITY AND REACTIVITY**

Stability: Stable in use and storage conditions as recommended in item 7.

Do not expose at temperatures above 30°C.

Prolonged exposure to temperature higher than 25°C may cause a rapid yellowing of the product.

Material(s) to avoid: Avoid certain plastics which are soluble in product.

Reacts violently with: strong acids, strong bases, oxidising compounds, aldehydes.

Hazardous decomposition products: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

### **11. TOXICOLOGICAL INFORMATION**

General information(s): There is no data available on the product itself.

Periodical medical test is recommended in function of exposition measure.

Acute toxicity

- Inhalation: \* LC50/inhalation/6h/rat = n-butyl acetate = 0.74-38 mg/l  
 LC50/inhalation/6h/rat = Ethyl acetate = 16 000 ppm  
 LC50/inhalation/8h/rat = Isopropyl alcohol = 20 000 ppm
- Skin contact: LD50/dermal/rabbit =  
 Ethyl acetate = > 18 000 mg/kg  
 \* n-butyl acetate = > 14 100 mg/kg  
 Isopropyl alcohol = 13 000 mg/kg
- Eyes contact: mild eye irritation (pain, redness)
- Ingestion: LD50/oral/rat =  
 Ethyl acetate = 5 620 - 10 200 mg/kg  
 \* n-butyl acetate = > 10 000 mg/kg  
 Isopropyl alcohol = 4400 - 7800 mg/kg

## **12. ECOLOGICAL INFORMATION**

General information(s): There is no data available on the product itself.

Environmental toxicity: \* LC50/24h/daphnia = n-butyl acetate = 205 mg/l  
 LC50/48h/daphnia =: (mg/l)  
 Isopropyl alcohol = 13299  
 Ethyl acetate = > 1000

- Toxicity to fish: LC50/96h/fish : (mg/l)  
 Isopropyl alcohol = 9600  
 Ethyl acetate = 290  
 \* n-butyl acetate = > 184

Other adverse effects

## **13. DISPOSAL CONSIDERATIONS**

Waste / unused products: Collect all waste in suitable and labelled containers and dispose according to local legislation.

Can be recycled.

Do not dispose of waste into sewer.

Destruction by incineration / pyrolyse. See paragraph 10: hazardous decomposition products.

For waste disposal contact local agreed company.

Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Container remains hazardous when empty. Continue to observe all precautions.

Do not burn, or use a cutting torch on the empty drum.

Further Information(s):

## **14. TRANSPORT INFORMATION**

General information(s): Transport followed ADR, IMDG, IATA

UN N°: 1263

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Land (Road / Railway: ADR/RID)

- Proper shipping name: Paint related materials
- Class: 3
- Verpakkingsgroep: II
- TREM-CARD code: \* 30GF1-I+II
- ADR/RID-Labels: 3
- Code danger: \* 33
- Classification code: \* 160 640C 650
- Packing instructions: \* P001

Sea (IMDG)

- Proper shipping name: \* Paint related materials
- Class: 3
- Packaging group: II
- Marine pollutant: \* No
- EmS number: \* F-E,S-E
- IMDG-Label(s): 3
- Packing instructions: \* P001

Air (ICAO/IATA)

- Proper shipping name: \* PAINT
- ICAO/IATA class: 3
- Packing group: II
- ICAO/IATA-Labels: 3

## **15. REGULATORY INFORMATION**

Labelling: \* According to european directives on classification, packaging and labelling of dangerous

substances 67/548 and last up-dated adaptations 2004/73/CE and Directive 1999/45/EC of the

European Parliament and of the Council relating to the classification, packaging and labelling of

dangerous products

EC number: Not applicable.

Symbol(s): F - Highly flammable ; Xi - Irritant

R-phrases(s): 11 Highly flammable.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking

67 Vapours may cause drowsiness and dizziness

S-phrases(s): 17 Keep away from combustible material.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

33 Take precautionary measures against static discharges.

## **16. OTHER INFORMATION**

According legislation(s): \* This safety data sheet is in compliance with Title IV of the REACH regulation n°1907/2006/EC

\* Refer to any national rule that may be relevant, such as, for instance :

\* Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers

from the risks related to chemical agents at work

\* Directive 1999/92/EC of the European Parliament on minimum requirements for improving the

safety and health protection of workers potentially at risk from explosive atmospheres

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative

occupational exposure limit values in implementation of Council Directive 98/24/EC \*  
Council

Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations

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Item nr 3 : R-phrases) R10 Flammable.

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

R11 Highly flammable.

R36 Irritating to eyes.

Important remarks: Warning: The information compliments the technical data instruction sheets, but does not replace

them. The information about the product is given to the best of our knowledge at the date indicated. The user's attention is drawn to the risks involved if a product is used other than for its intended purpose.

He is solely responsible for:

- ensuring security measures of all usage, taking into account the information given herein.

- informing all users and handlers of the necessary security precautions to be taken and to be aware of the risks mentioned in all documents relative to the product.

This list is not to be considered exhaustive and does not exonerate the user from verifying other

obligations he may have regarding the possession and the handling of the products, according to

documents other than those listed here.

The technical department of YouXing Cosmetic remains at the user's disposal for any further assistance it may be able to give.

Uses or/and applications: Products for nail care and make-up.

Intermediates for manufacture of nail polishes.

References and/or bibliography: INRS

Other data: \* : Up-dated information

History

- First edition date: 05-1999 (702/d-705/d

- Previous revision date: 11-2004

- Review date: 09-2007

- Version: 732/e

- Review chapter(s) n°: 3;7;8;11;12;14;15;16



