

Safety Data Sheet(SDS)

According to OSHA 29 CFR 1910.1200

Report No.: SZC15010681013-6E

Date: Jan. 8, 2015

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Section 1 - Identification of the substance/preparation and of the company/undertaking

Product identifier

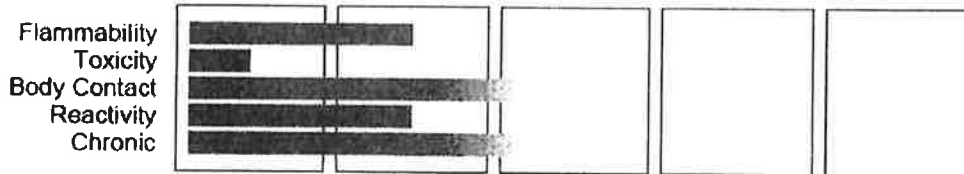
Product Name : PVC Lane Marking Tape
Manufacturer : K.L.& Ling International Inc.
Head Office : 10F-1, No.206, SEC.1, Min Sheng Road, Kaohsiung, Taiwan
 Tel: 886-7-2265221 Fax: 886-7-2264806, 2265802
E-mail : sales@klltapes.com.tw
Website : //www.klltapes.com.tw
Factory : 19 Friendship Road North, Nian-Feng Village, PingDI Town. Long-Gang, Shen Zhen, Kwang Tung, P.R.C

Section 2 - Hazards Identification

NFPA



HAZARD RATINGS



SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

EMERGENCY OVERVIEW

Not hazardous

Section 3 - Composition/Information on Ingredient

Name	CAS No.	Content (%)
Polyvinyl Chloride	9002-86-2	45-60
Plasticizer	117-81-7	25-35



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Antimony Oxide	1309-64-4	0-7
Rubber Adhesive	109-69-3	5-15
Filler	471-34-1	0-20
Other	--	0-6

Section 4 - First Aid Measures

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor, without delay.

SWALLOWED

- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Center or a doctor.

EYE

- If this product comes in contact with the eyes:
 - Wash out immediately with fresh running water.
 - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
 - If pain persists or recurs seek medical attention.
 - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

- If skin contact occurs:
 - Immediately remove all contaminated clothing, including footwear
 - Flush skin and hair with running water (and soap if available).
 - Seek medical attention in event of irritation.

NOTES TO PHYSICIAN

- Treat symptomatically.

Section 5 - Fire Fighting Measures

Vapour Pressure (mmHg): Negligible

Upper Explosive Limit (%): Not available

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Specific Gravity (water=1): 1.1-1.6

Lower Explosive Limit (%): Not available

EXTINGUISHING MEDIA

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog - Large fires only.

FIRE FIGHTING

- Alert Emergency Responders and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.
- Use water delivered as a fine spray to control fire and cool adjacent area.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

FIRE INCOMPATIBILITY

- Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may result.

Section 6 –Accidental Release Measures

MINOR SPILLS

- Clean up all spills immediately.
- Avoid breathing dust and contact with skin and eyes.
- Wear protective clothing, gloves, safety glasses and dust respirator.
- Use dry clean up procedures and avoid generating dust.
- Sweep up, shovel up or vacuum up (consider explosion-proof machines designed to be grounded during storage and use).
- Place spilled material in clean, dry, sealable, labeled container.

MAJOR SPILLS

- Moderate hazard.
- CAUTION: Advise personnel in area.
- Alert Emergency Responders and tell them location and nature of hazard.
- Control personal contact by wearing protective clothing.
- Prevent, by any means available, spillage from entering drains or water courses.
- Recover product wherever possible.
- IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed



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plastic bags or other containers for disposal. IF WET: Vacuum/shovel up and place in labelled containers for disposal.

- ALWAYS: Wash area down with large amounts of water and prevent runoff into drains.
- If contamination of drains or waterways occurs, advise emergency services.

Section 7 - Handling and Storage

PROCEDURE FOR HANDLING

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.
- DO NOT allow material to contact humans, exposed food or food utensils.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately.
- Launder contaminated clothing before re-use.
- Use good occupational work practice.
- Observe manufacturer's storing and handling recommendations.
- Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storing and handling recommendations.

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



O: may be stored together with specific provisions

X: Must not be stored together

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Section 8 - Exposure Controls, Personal Protection

EXPOSURE CONTROLS

Eye protection



Chemical goggles

- Safety glasses with side shields; or as required,
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task.

HANDS/FEET



Gloves

- Barrier cream and
- PVC gloves.

Wear safety footwear.

When handling hot material, wear •Protective gloves eg. Leather gloves or gloves with Leather facing.

Respirator protection



Respirator

- Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

OTHER

- Eyewash unit.
- Ensure ready access to a burns first aid kit.
- Overalls.



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Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Color	Yellow/Black
Odour	Slight odour
Form	Solid
Melting Range (°C)	No data
Boiling Range (°C)	Not available.
Flash Point (°C)	No data
Decomposition Temp (°C)	No data
Autoignition Temp (°C)	Not available.
Upper Explosive Limit (%)	Not available.
Lower Explosive Limit (%)	Not available.
Volatile Component (%vol)	No data
Molecular Weight	No data
Viscosity	Not Applicable
Solubility in water (g/L)	Insoluble
Vapour Pressure (kPa)	Negligible
Specific Gravity (water=1)	No data
Relative Vapour Density (air=1)	Not available.
Evaporation Rate	Not applicable

Section 10 - Stability and Reactivity

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerization will not occur.

STORAGE INCOMPATIBILITY

- Avoid reaction with oxidizing agents.

For incompatible materials - refer to Section 7 - Handling and Storage.

Section 11 - Toxicological Information

Information on toxicological affects

Acute Toxicity

LD/LC50 values relevant for classification

No data.

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Primary irritant effect

On the skin

No data.

On the eyes

No data.

Inhaled

No data.

Sensitization: No sensitizing effect known

Section 12 - Ecological Information

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Polyvinyl Chloride	LOW	No Data Available	LOW	HIGH
Plasticizer	LOW	LOW	LOW	LOW
Antimony Oxide	No Data Available	No Data Available	No Data Available	No Data Available
Rubber Adhesive	No Data Available	No Data Available	No Data Available	No Data Available
Filler	No Data Available	No Data Available	No Data Available	No Data Available

Section 13 - Disposal Considerations

Disposal Instructions

All waste must be handled in accordance with local, state and federal regulations.

■ Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. In most instances the supplier of the material should be consulted.

DO NOT allow wash water from cleaning equipment to enter drains. Collect all wash water for treatment before disposal.



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- Recycle wherever possible.
- Consult manufacturer for recycling options or consult Waste Management Authority for disposal if no suitable treatment or disposal facility can be identified.
- Dispose of by: Burial in a licensed land-fill or Incineration in a licensed apparatus (after admixture with suitable combustible material)
- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

Section 14 - Transport Information

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: DOT, IMDG

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International regulation/Ordinances

Requirements of Hazard and safety information on the label

Disposal of chemicals should comply with the general safety regulations

Section 16 - Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This information of section 1 and 3 is provided by K.L.& Ling International Inc..

End

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