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SAFETY DATA SHEET

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Section 1: Identification

Product Name: ROAD LINE –YELLOW & RED

Product Code: 9.3/9.4

Chemical Name/Synonyms: ALKYD ENAMEL

Company: SABRE PAINTS(PTY)LTD,55 TREDOUX STREET,BEACONVALE,PAROW,SOUTH AFRICA

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Section 2: Hazard(s) Identification

Hazard Classification:

Flam. Liq. 2, H225

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Repr. 2, H361d (Unborn child)

STOT SE 3, H335

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

Signal Word(s): Danger

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

Causes skin irritation.

Suspected of damaging the unborn child.

May cause respiratory irritation.

May cause cancer.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects

Pictograms:



Precautionary Statements: Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Collect spillage.Store locked up.

Supplemental label Information: EUH201 Contains lead chromate pigment(s). Should not be used on surfaces liable to be chewed or sucked by children. RCH002a Restricted to professional users.

Other hazards which do not result in classification: Prolonged or repeated contact may dry skin and cause irritation.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Lead chromate molybdate sulfate	Pigment red 104	12656-85-8	<5%
Lead chromate sulfate	Lemon chrome yellow	1344-37-2	<5%
Solvent Naphta medium aliphatic	Petroleum blend	64742-88-7	10-20%
Ethylbenzene	Petroleum solvent	100-41-4	<5%
n-Hexane	Petroleum solvent	110-54-3	<2%
2-Butanone oxime	MEK-oxime	96-29-7	< 0.20%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

After skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

After swallowing: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Fog or Foam, CO₂, Dry chemical powder. Do NOT use water jets. Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Cool containers in case of fire.

Special protective equipment for fire fighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) to conform to relevant standards.

Section 6: Accidental Release Measures

Personal precautions: Put on appropriate personal protective equipment.

Measures for environmental protection: Avoid runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Measures for cleaning/collecting: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.



Section 7: Handling and Storage

Handling: Put on appropriate personal protective equipment Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating and drinking. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Section 8: Exposure Controls/Personal Protection

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

General protective and hygienic measures: Use respirator and eye protection.

Breathing equipment: In case of insufficient ventilation, use suitable respiratory protection.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Protection of hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times. Consider the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Eye/face protection: Chemical splash goggles. Avoid direct contact.

Section 9: Physical and Chemical Properties

Form: Viscous Liquid

Colours: Various colours

Odor: Characteristic hydrocarbon

Odor threshold: n/d

Flash point: >21 deg Celcius

Relative density: approximately 1.20

Solubility in/Miscibility with water: Insoluble

Section 10: Stability and Reactivity

Reactivity: No reactivity data is available.

Chemical stability: Product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, no hazardous reaction will occur.

Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products.

Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

Hazardous decomposition products: Decomposition products may include the following materials: carbon oxides, metal oxide/oxides.



Section 11: Toxicological Information

Toxicological effects Increased incidences of lung cancer have been identified in the chromate pigment manufacturing industry. Epidemiological studies have shown that where lead chromates alone were manufactured there were no cancer excesses. Animal studies have shown that some insoluble chromates are carcinogenic but the data does not extend to lead chromate pigments. There is no evidence of a risk of lung cancer arising from use of lead chromate containing products. Epidemiological data shows an association between elevated maternal blood lead levels and developmental effects in the offspring. Following the introduction of the criteria for Toxic to Reproduction hazard classification the EC has classified all lead compounds as causing developmental toxicity in humans. Lead chromate, although of relatively low solubility and bioavailability, is included in this classification.

Potential acute health effects:

General information: This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation: Harmful by inhalation. Irritating to respiratory system.

Ingestion: Harmful if swallowed.

Skin contact: Harmful in contact with skin. Irritating to skin.

Eye contact: Harmful in contact with eyes. Irritating to eyes.

Route of entry: Inhalation Skin and/or eye contact Ingestion. Oral

Additional Information: For further information, please refer to Sections 4 and 8 respectively.

Section 12: Ecological Information

Ecotoxicity: This product contains the heavy metals Pb and Cr. Avoid release into the environment.

Mobility: Not available.

Biodegradation: Not available.

Bioaccumulation: Not available.

Other adverse effects: Due to extreme insolubility in water of lead chromate pigments, this product is not toxic to aquatic life. Because of their chemical stability, lead chromate pigments do not degrade in water. However the European Commission stated that all products containing lead and hexavalent chromium must be considered toxic to the environment.

Section 13: Disposal Considerations

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport Information

UN number: UN1263

Transport Hazard class: 3

Packaging group: III

Special precautions for user: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



Section 15: Regulatory Information**Safety, health and environmental regulations specific for the product:**

Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

Other National regulations: None.

Standards used for PPE recommendations in Section 8.

Section 16: Other Information**Full text of abbreviated H statements:**

H208 Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H351 Suspected of causing cancer.

H360Df May damage the unborn child. Suspected of damaging fertility.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects

Full text of classifications(GHS)

Acute Tox. 4, H302 ACUTE TOXICITY: ORAL - Category 4

Acute Tox. 4, H312 ACUTE TOXICITY: SKIN - Category 4

Acute Tox. 4, H332 ACUTE TOXICITY: INHALATION - Category 4

Aquatic Acute 1, H400 AQUATIC TOXICITY (ACUTE) - Category 1

Aquatic Chronic 1, H410 AQUATIC TOXICITY (CHRONIC) - Category 1

Aquatic Chronic 2, H411 AQUATIC TOXICITY (CHRONIC) - Category 2

Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1

Carc. 2, H351 CARCINOGENICITY - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT SE 3, H335i SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Respiratory tract irritation] - Category 3

STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3

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