

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	DURA INDUSTRIAL ROAD MARKING SOLVENT BASED PAINT (DI019)
Synonyms	Solvent based road marking paint.
Description	A dispersion of pigments and fillers in a solution of a modified alkyd resin in a blend of aromatic and aliphatic solvents, with additives.
Dura Paints (PTY) Ltd	5 Wakefield Road; Founders View South; Edenvale; 1610; South Africa.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Class	
Classification	Moderately Hazardous
Comment	Liquid Form
Hazardous and / or other relevant components	

Petroleum Hydrocarbons

R-Phrases:

R11 – Highly Flammable
R18 – in use, may form flammable/explosive vapour –air mixture
R20 – Harmful by inhalation
R38 – Irritating to skin
R48 – Danger of serious damage to health by prolonged exposure
R63 – Possible risk of harm to the unborn child
R65 – Harmful: may cause lung damage if swallowed
R66 – Repeated exposure may cause skin dryness or cracking
R67 – Vapours may cause drowsiness and dizziness

3. HAZARDS IDENTIFICATION

SAPMA Health Rating	3-SLIGHT – Irritation or minor reversible injury possible.
Highly Flammable	Eliminate all ignition sources
Harmful	Ensure sufficient ventilation , avoid inhalation of vapours. Avoid contact with skin or eyes.
Ingestion	Hazardous – may be fatal if swallowed, cause lung damage.
Skin contact	Highly irritating, repeated exposure may cause skin dryness or cracking.
Inhalation	Exposure to high concentrates of vapor may cause nausea and giddiness.
Eye contact	Causes mild eye irritation.
Principle routes of exposure	Eyes.

4. FIRST AID MEASURE

Ingestion	Give plenty of water / milk. Get medical advice. Do not induce vomiting by untrained person.
Skin	Wash with soap and water. A component of this material can be absorbed through skin with resultant toxic effects. Seek medical attention if irritation persists. Do not use solvents.
Inhalation	If large quantities are involved, use respirator with fresh air supply.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Extinguishing media	Dry chemical powder, alcohol resistant foam and carbon dioxide.
Special Hazards	Highly flammable liquid. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard – on burning will emit toxic fumes, including those of oxides of carbon. Closed containers exposed to fire should be cooled with water spray. DO NOT use water jets. Do not allow run-off from fire fighting to enter drains or water-courses.
Protective Equipment	In case of fire, wear respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Surface may be slippery. Wear protective equipment to prevent skin and eye contact and breathing in vapours.
ENVIRONMENTAL PRECAUTIONS:	Do not allow product to enter sewage drains, soil or watercourses.
CLEAN UP METHOD:	Use absorbent (soil, sand or other inert material). Clean preferably with a detergent avoid the use of solvents. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Eliminate all ignition sources. Remove leaking containers to detached area. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes, the relevant environment agency should be contacted.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

TECHNICAL MEASURES:	Use in well ventilated area away from all ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment.
SAFE HANDLING ADVICE:	Avoid contact with skin and eyes. Avoid the inhalation of vapour and mist.
PACKAGING MATERIAL:	Keep in original container.
STORAGE CONDITIONS:	Store in a cool, dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAPMA Rating	2-H-G : Moderate hazard potential.
Inhalation	Use in well ventilated area with local exhaust ventilation. Use away from all ignition sources. Respiratory protection must be worn.
Skin	Observe the rules of hygiene. Wash before eating, drinking or smoking. Use barrier cream and gloves.
Eyes	Avoid direct contact. Never touch eyes with dirty hands or gloves. Use safety glasses.
Ingestion	Observe the rules of hygiene. Wash before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

A dispersion of pigments and fillers in a solution of a modified alkyd resin in a blend of aromatic and aliphatic solvents, with additives.

Appearance	White, Black and Yellow	Odour	Aromatic solvent odour
Specific Gravity (g/ml)	1.30 – 1.35	Viscosity (ku)	75 - 80
Density	1.35	Water solubility	miscible

10. STABILITY AND REACTIVITY

Stable under normal conditions.

Hazardous thermal decomposition / combustion products

No reaction with fire-fighting water.

Incompatibility (material to avoid)

Conditions to avoid

Carbon monoxide, carbon dioxide, silicon dioxide and unidentified organic compounds.

Avoid contact with strong oxidising agents.

None known.

Keep away from heat, sparks, open flame and strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Over exposures of vapour are irritating to eyes and respiratory system. Excessive concentrations may produce effects on the central nervous system including drowsiness. In extreme cases loss of consciousness may result. Splashes entering the eye will cause discomfort and possible damage. Prolonged contact with the skin may have a defatting effect which may lead to skin irritation and in some cases dermatitis. Material may be irritant to the mucous membranes of the respiratory tract (airways).

12. ECOLOGICAL INFORMATION

May have short term environmental effects. This material is toxic to fish and wildlife. Do not discharge into lakes, streams, ponds, etc.

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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. Exercise caution in disposal of used containers

14. TRANSPORT INFORMATION

SHIPPING NAME: 1263, [Paint](#)-related materials including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base, or paint related material including paint thinning, drying, removing, or reducing compound

PACKAGING GROUP: II

HAZARD CLASS: 3

S.I.N NUMBER: 1263

15. REGULATORY INFORMATION

S-Phrases

- S2 - Keep out of reach of children.
- S13 - Keep away from food, drink and animal feeding stuffs
- S16 - Keep away from sources of ignition - No smoking
- S24/25 - Avoid contact with eyes and skin
- S29 - Do not empty into drains
- S33 - Take precautionary measures against static discharge
- S38 - In case of insufficient ventilation, wear suitable respiratory equipment

15. Regulatory Information (contd.)

S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

S51 - Use only in well ventilated areas
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

This data is offered in good faith as typical values and are not as a product specification. No warranty, wither expressed or implies is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

C	=	Ceiling limit	NEGL	=	Negligible
EST	=	Estimated	NF	=	None found
NA	=	Not applicable	UNKN	=	Unknown
NE	=	None established	REC	=	Recommended
ND	=	None determined	V	=	Recommended by vendor
TS	=	Trade secret	SKN	=	Skin
R	=	Recommended	MST	=	Mist

END OF MSDS

DISCLAIMER: All information is given in good faith, but without guarantee in respect of accuracy and no responsibility is accepted for errors or omissions or the consequences thereof. For the current version of this MSDS please download from the Dura Paints website at www.durapaints.co.za.