1. PRODUCT AND COMPANY IDENTIFICATION

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

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Class</th>
<th>Moderately Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification</td>
<td>Liquid Form</td>
</tr>
<tr>
<td>Hazardous and / or other relevant components</td>
<td>Petroleum Hydrocarbons</td>
</tr>
<tr>
<td>R-Phrases:</td>
<td></td>
</tr>
<tr>
<td>R11 – Highly Flammable</td>
<td></td>
</tr>
<tr>
<td>R18 – in use, may form flammable/explosive vapour – air mixture</td>
<td></td>
</tr>
<tr>
<td>R20 – Harmful by inhalation</td>
<td></td>
</tr>
<tr>
<td>R38 – Irritating to skin</td>
<td></td>
</tr>
<tr>
<td>R48 – Danger of serious damage to health by prolonged exposure</td>
<td></td>
</tr>
<tr>
<td>R63 – Possible risk of harm to the unborn child</td>
<td></td>
</tr>
<tr>
<td>R65 – Harmful: may cause lung damage if swallowed</td>
<td></td>
</tr>
<tr>
<td>R66 – Repeated exposure may cause skin dryness or cracking</td>
<td></td>
</tr>
<tr>
<td>R67 – Vapours may cause drowsiness and dizziness</td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

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

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
Specific Gravity (g/ml) 1.30 – 1.35
Density 1.35
Odour Aromatic solvent odour
Viscosity (ku) 75 - 80
Water solubility miscible

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Revised: 23 April 2015
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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.

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