

### SECTION 1: Identification of the substance/mixture and of the supplier/undertaking

#### 1.1. GHS product identifier

Product form	: Mixture
Trade name	: Dura Paints - 2K Enamel - Black & Matt Black
Type of product	: Coatings
Product code	: 2KBG
Product group	: Trade product

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Light industrial coating applications

#### 1.4. Supplier's details

##### Manufacturer

Dura Paints (Pty) Ltd.  
5 Wakefield Road; Founders View South.  
P.O. Box 303  
1610 Edenvale; Johannesburg – South Africa  
T 011 452 5221  
Contact: Lizel Rosemann

#### 1.5. Emergency phone number

Emergency number : 079 494 2731 / 011 452 5221

### SECTION 2: Hazard identification

#### 2.1. GHS classification of the substance/mixture and any national or regional information

##### Classification according to the United Nations GHS

Flammable liquids, Category 2	H225
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Reproductive toxicity, Category 2	H361
Specific target organ toxicity – single exposure, Category 1	H370
Specific target organ toxicity – Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Highly flammable liquid and vapour,May cause cancer,May cause genetic defects,Suspected of damaging fertility or the unborn child,May cause damage to organs through prolonged or repeated exposure, Causes damage to organs,Harmful in contact with skin,Harmful if inhaled,Causes skin irritation,May be fatal if swallowed and enters airways,Harmful to aquatic life,Toxic to aquatic life with long lasting effects.

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### 2.2. GHS label elements, including precautionary statements

#### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)



Signal word (GHS-ZA)

: Danger

Hazardous ingredients

: 2-butoxyethanol;Xylene;ethylbenzene;hexane;Toluene;Naphtha (petroleum), hydrotreated light

Hazard statements (GHS ZA)

: H225 - Highly flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H312+H332 - Harmful in contact with skin or if inhaled  
H315 - Causes skin irritation  
H340 - May cause genetic defects (Dermal, Inhalation)  
H350 - May cause cancer (Dermal, Inhalation)  
H361 - Suspected of damaging the unborn child, Suspected of damaging fertility. (Dermal, Inhalation)  
H370 - Causes damage to organs (central nervous system, Skin, respiratory system) (Dermal, Inhalation, Oral)  
H373 - May cause damage to organs (central nervous system, hearing organs) through prolonged or repeated exposure (Inhalation)  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS ZA)

: P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing fume, mist, spray, vapours, dust.  
P273 - Avoid release to the environment.  
P263 - Avoid contact during pregnancy and while nursing.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].  
P314 - Get medical advice/attention if you feel unwell  
P501 - Dispose of container to recycling.

P-statements for label (GHS-ZA)

: P102 - Keep out of reach of children.; P103 - Read carefully and follow all instructions.; P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.; P261 - Avoid breathing fume, mist, spray, vapours, dust.; P273 - Avoid release to the environment.; P263 - Avoid contact during pregnancy and while nursing.; P264 - Wash hands, forearms and face thoroughly after handling.; P280 - Wear protective gloves, protective clothing, eye protection.; IF INHALED: Remove person to fresh air and keep comfortable for breathing.; P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.; P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].; P314 - Get medical advice/attention if you feel unwell; P501 - Dispose of container to recycling.

### 2.3. Other hazards which do not result in classification or are not covered by the GHS

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

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### 3.2. Mixture

Name	Product identifier	%	Classification according to the United Nations GHS
Xylene	CAS-No.: 1330-20-7	23.25 – 47.5	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. Not classified (Inhalation:vapour) Skin Irrit. 2, H315 STOT SE 1, H370 STOT RE Not classified Aquatic Chronic 2, H411
ethylbenzene	CAS-No.: 100-41-4	15 – 24	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 STOT RE 2, H373 Asp. Tox. 1, H304
Toluene	CAS-No.: 108-88-3	0.5 – 7.5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Naphtha (petroleum), hydrotreated light	CAS-No.: 64742-49-0	< 4.5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. Not classified (Inhalation:dust,mist) Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
2-butoxyethanol	CAS-No.: 111-76-2	1.8 – 4	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Carbon black	CAS-No.: 1333-86-4	0.5 – 3	Carc. 2, H351 STOT SE 3, H335 STOT RE Not classified Aquatic Acute Not classified Aquatic Chronic Not classified
Cyclohexane	CAS-No.: 110-82-7	0.05 – 1.5	Flam. Liq. 2, H225 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Inhalation:vapour) Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
hexane	CAS-No.: 110-54-3	0.05 – 0.75	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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### SECTION 4: First aid measures

#### 4.1. Description of necessary first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Harmful in contact with skin. Irritation.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: Risk of lung oedema.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Special protective actions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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### 6.3. Methods and materials for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.
- Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

2-butoxyethanol (111-76-2)	
<b>South Africa - Occupational Exposure Limits (Maximum Limits)</b>	
Local name	2-Butoxyethanol [EGBE]
RHCA - STEL/C	40 ppm
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	2-Butoxyethanol (Ethylene glycol monobutyl ether [EGBE])
OEL TWA	120 mg/m <sup>3</sup> 25 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
<b>South Africa - Biological limit values</b>	
Local name	2-Butoxyethanol
BEI	200 mg/g creatinine Parameter: Butoxyacetic acid (BAA) - Medium: urine - Sampling time: End of shift
Regulatory reference	Government Notice No. R. 280, 2021

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<b>Xylene (1330-20-7)</b>	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Xylene, o-, m-, p- or mixed isomers
OEL eight hour TWA	300 ppm
RHCA - STEL/C	200 ppm
Remark	SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Xylene, o-, m-, p- or mixed isomers
OEL TWA	218 mg/m <sup>3</sup> 50 ppm
OEL STEL	435 mg/m <sup>3</sup> 100 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
<b>South Africa - Biological limit values</b>	
Local name	Xylenes
BEI	1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Regulatory reference	Government Notice No. R. 280, 2021
<b>Carbon black (1333-86-4)</b>	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Carbon black
RHCA - STEL/C	6 mg/m <sup>3</sup> (I: inhalable fraction)
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B)
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Carbon black
OEL TWA	4 mg/m <sup>3</sup>
OEL STEL	7 mg/m <sup>3</sup>
Regulatory reference	Government Notice No. R 904
<b>ethylbenzene (100-41-4)</b>	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Ethyl benzene
RHCA - STEL/C	40 ppm
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B), SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Ethyl benzene
OEL TWA	435 mg/m <sup>3</sup>

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<b>ethylbenzene (100-41-4)</b>	
	100 ppm
OEL STEL	545 mg/m <sup>3</sup>
	125 ppm
Regulatory reference	Government Notice No. R 904
<b>South Africa - Biological limit values</b>	
Local name	Ethyl benzene
BEI	0.15 g/g creatinine Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns (non-specific)
Regulatory reference	Government Notice No. R. 280, 2021
<b>hexane (110-54-3)</b>	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	n-Hexane
RHCA - STEL/C	100 ppm
Remark	SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	n-Hexane
OEL TWA	70 mg/m <sup>3</sup>
	20 ppm
Regulatory reference	Government Notice No. R 904
<b>South Africa - Biological limit values</b>	
Local name	n-Hexane
BEI	0.4 mg/l Parameter: 2,5-Hexanedione - Medium: urine - Sampling time: End of shift at end of workweek
Regulatory reference	Government Notice No. R. 280, 2021
<b>Toluene (108-88-3)</b>	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Toluene
OEL eight hour TWA	150 ppm
	560 mg/m <sup>3</sup>
RHCA - STEL/C	40 ppm
	50 ppm
	188 mg/m <sup>3</sup>
Remark	SKIN (danger of cutaneous absorption) Sk
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Toluene
OEL TWA	188 mg/m <sup>3</sup>
	50 ppm

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<b>Toluene (108-88-3)</b>	
OEL STEL	560 mg/m <sup>3</sup> 150 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
<b>South Africa - Biological limit values</b>	
Local name	Toluene
BEI	0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: Prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: End of shift 0.3 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: End of shift - Notations: B (background)
Regulatory reference	Government Notice No. R. 280, 2021
<b>Cyclohexane (110-82-7)</b>	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Cyclohexane
RHCA - STEL/C	200 ppm
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Cyclohexane
OEL TWA	340 mg/m <sup>3</sup> 100 ppm
OEL STEL	1030 mg/m <sup>3</sup> 300 ppm
Regulatory reference	Government Notice No. R 904

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s)



### 8.4. Exposure limit values for the other components

No additional information available



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### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Black
Odour	: Aromatic solvent like odour
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: > -39.3 – < -38.67 °C XYLENE @ 101.3 kPa: ECHA
Boiling point	: > 136.16 – < 144.5 °C XYLENE @ 101.3 kPa: ECHA
Flash point	: ≈ 18 °C XYLENE @ 101 325 Pa: ECHA
Auto-ignition temperature	: > 487.5 – < 488 °C XYLENE:101 325 Pa : ECHA
Decomposition temperature	: No data available
Flammability	: Highly flammable liquid and vapour.
Vapour pressure	: > 8.21 – < 11.057 hPa XYLENE @ 20 - 25 °C : ECHA
Vapour pressure at 50°C	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: > 0.86 – < 0.88 XYLENE @ 20 - 25 °C : ECHA
Relative density of saturated gas/air mixture	: No data available
Density	: ≈ 1 kg/l @ 25°C; Source: Product TDS
Relative gas density	: No data available
Solubility	: Negligible.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: ≈ 0.74 mm <sup>2</sup> /s XYLENE : ECHA
Viscosity, dynamic	: > 300 – < 600 cP @ 25°C; Source : Product TDS
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Physical state	: Liquid
Appearance	: Viscous liquid.

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10: Stability and Reactivity

#### 10.1. Reactivity

Highly flammable liquid and vapour.

#### 10.2. Chemical Stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

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ATE ZA (Dermal)	1964.286 mg/kg bodyweight
ATE ZA (dust, mist)	3.158 mg/l/4h

#### 2-butoxyethanol (111-76-2)

LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rabbit	≈ 435 mg/kg bodyweight ECHA
LC50 Inhalation - Rat [ppm]	> 633 – < 691 ppm guinea pig 60min : ECHA

#### Xylene (1330-20-7)

LD50 oral rat	> 3523 – < 6631 mg/kg bodyweight XYLENE : ECHA
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other:
LC50 Inhalation - Rat	≥ 27.124 mg/l XYLENE : ECHA

#### ethylbenzene (100-41-4)

LD50 oral rat	≈ 3500 mg/kg bodyweight Animal: rat
LD50 dermal rat	≥ 3500 mg/kg bodyweight ECHA

#### hexane (110-54-3)

LD50 oral rat	≈ 1600 ng/kg Source : ECHA
LD50 dermal rabbit	> 3350 mg/kg bodyweight Source : ECHA

#### Toluene (108-88-3)

LD50 oral rat	5580 mg/kg Source: ECHA
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	> 20 mg/l Source: ECHA

#### Naphtha (petroleum), hydrotreated light (64742-49-0)

LD50 oral rat	≥ 5000 mg/kg bodyweight ECHA
LD50 dermal rabbit	≥ 2000 mg/kg bodyweight ECHA
LC50 Inhalation - Rat	> 5.61 mg/l ECHA

#### Cyclohexane (110-82-7)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 32.88 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Not classified

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Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects (Dermal, Inhalation).
Carcinogenicity	: May cause cancer (Dermal, Inhalation).

<b>Toluene (108-88-3)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Suspected of damaging the unborn child, Suspected of damaging fertility. (Dermal, Inhalation).
Reproductive toxicity	: Suspected of damaging the unborn child, Suspected of damaging fertility. (Dermal, Inhalation).
STOT-single exposure	: Causes damage to organs (central nervous system, Skin, respiratory system) (Dermal, Inhalation, Oral).

<b>Xylene (1330-20-7)</b>	
LOAEL (oral, rat)	≈ 150 mg/kg bodyweight XYLENE : ECHA
NOAEL (oral, rat)	≈ 250 mg/kg bodyweight XYLENE : ECHA
NOAEC (inhalation, rat, gas)	> 450 – < 1800 ppmv/4h XYLENE : 12H : ECHA
STOT-single exposure	Causes damage to organs.

<b>Carbon black (1333-86-4)</b>	
STOT-single exposure	May cause respiratory irritation.

<b>hexane (110-54-3)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

<b>Toluene (108-88-3)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

<b>Cyclohexane (110-82-7)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : May cause damage to organs (central nervous system, hearing organs) through prolonged or repeated exposure (Inhalation).

<b>2-butoxyethanol (111-76-2)</b>	
LOAEL (oral, rat, 90 days)	≈ 69 mg/kg bodyweight/day ECHA
LOAEC (inhalation, rat, gas, 90 days)	≈ 31 ppmv/6h/day ECHA
NOAEL (dermal, rat/rabbit, 28 days)	≈ 150 mg/kg bodyweight/day ECHA
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study), Remarks on results: other:

<b>Xylene (1330-20-7)</b>	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)

<b>Carbon black (1333-86-4)</b>	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0071 mg/l air Animal: rat, Animal sex: male
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0011 mg/l air Animal: rat, Animal sex: male

<b>ethylbenzene (100-41-4)</b>	
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

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<b>ethylbenzene (100-41-4)</b>	
STOT-repeated exposure	May cause damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation, Dermal).
<b>hexane (110-54-3)</b>	
LOAEL (oral, rat, 90 days)	≥ 200 mg/kg bodyweight/day Source : ECHA
NOAEL (oral, rat, 28 days)	≥ 40 mg/kg bodyweight/day Source : ECHA
STOT-repeated exposure	May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).
<b>Toluene (108-88-3)</b>	
LOAEL (oral, rat, 90 days)	≈ 1250 mg/kg bodyweight/day Source: ECHA
LOAEC (inhalation, rat, gas, 90 days)	≈ 2.261 mg/l Source: ECHA
NOAEL (oral, rat, 28 days)	≥ 625 mg/kg bodyweight/day
NOAEC (inhalation, rat, 28 days)	> 2.261 – < 4.71 mg/l Source : ECHA
NOAEL (oral, rat, 90 days)	≈ 625 mg/kg bodyweight/day Rat
NOAEC (inhalation, rat, gas, 90 days)	1.131 – 2.355 mg/l Air, Source: ECHA
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Naphtha (petroleum), hydrotreated light (64742-49-0)</b>	
NOAEC (inhalation, rat, 28 days)	≈ 1.402 mg/l ECHA
Aspiration hazard	: May be fatal if swallowed and enters airways.
<b>Dura Paints - 2K Enamel - Black &amp; Matt Black</b>	
Viscosity, kinematic	≈ 0.74 mm <sup>2</sup> /s XYLENE : ECHA

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Harmful to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

<b>2-butoxyethanol (111-76-2)</b>	
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	≈ 623 mg/l Fresh water algae : ECHA
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
NOEC chronic algae	≈ 88 mg/l Fresh water algae : ECHA
<b>Xylene (1330-20-7)</b>	
LC50 - Fish [1]	> 2.6 – < 9.6 mg/l Source: ECHA
EC50 - Crustacea [1]	≥ 10.389 mg/l Source: Echa
EC50 72h - Algae [1]	> 4.6 – < 4.9 mg/l XYLENE : Aquatic Algae : ECHA
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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<b>Xylene (1330-20-7)</b>	
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
NOEC chronic algae	≈ 0.44 mg/l XYLENE : Aquatic Algae 73H : ECHA
<b>Carbon black (1333-86-4)</b>	
EC50 72h - Algae [1]	> 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	> 10000 mg/l Test organisms (species):
<b>ethylbenzene (100-41-4)</b>	
LC50 - Fish [1]	5.1 mg/l Test organisms (species): Menidia menidia
EC50 72h - Algae [1]	5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [1]	3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	7.7 mg/l Test organisms (species): Skeletonema costatum
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic algae	≈ 3.4 mg/l Fresh water algae : ECHA
<b>Toluene (108-88-3)</b>	
LC50 - Fish [1]	5.5 mg/l Source: ECHA
EC50 - Crustacea [1]	3.78 mg/l Source: ECHA
ErC50 algae	≥ 84 mg/l Source : ECHA
LOEC (chronic)	≥ 2.76 mg/l 7 Days - Source : ECHA
NOEC chronic fish	≥ 1.39 mg/l Source : ECHA
NOEC chronic crustacea	≈ 0.74 mg/l Source: ECHA
<b>Cyclohexane (110-82-7)</b>	
LC50 - Fish [1]	> 4.53 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	≥ 0.9 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	≥ 4.42 mg/l Fresh water algae - Source : ECHA
NOEC chronic algae	≥ 0.925 ppm freshwater algae - Source : ECHA
<b>12.2. Persistence and degradability</b>	
<b>Dura Paints - 2K Enamel - Black &amp; Matt Black</b>	
Persistence and degradability	Not rapidly degradable
<b>2-butoxyethanol (111-76-2)</b>	
Persistence and degradability	
<b>Xylene (1330-20-7)</b>	
Persistence and degradability	
Chemical oxygen demand (COD)	> 2.56 – < 2.91 g O <sub>2</sub> /g substance

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<b>Carbon black (1333-86-4)</b>	
Persistence and degradability	
<b>ethylbenzene (100-41-4)</b>	
Persistence and degradability	
<b>hexane (110-54-3)</b>	
Persistence and degradability	
<b>Toluene (108-88-3)</b>	
Persistence and degradability	
<b>Naphtha (petroleum), hydrotreated light (64742-49-0)</b>	
Persistence and degradability	
<b>Cyclohexane (110-82-7)</b>	
Persistence and degradability	

### 12.3. Bioaccumulative potential

<b>Dura Paints - 2K Enamel - Black &amp; Matt Black</b>	
Bioaccumulative potential	No additional information available
<b>2-butoxyethanol (111-76-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	≈ 0.81 @ 20 °C : ECHA
Partition coefficient n-octanol/water (Log Kow)	≈ 0.81 @ 25 °C and pH 7 : ECHA
<b>Xylene (1330-20-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	> 3.155 – < 3.16 XYLENE @ 20 °C : ECHA
Partition coefficient n-octanol/water (Log Kow)	> 3.12 – < 3.2 XYLENE @ 20 °C and pH 7: ECHA
<b>ethylbenzene (100-41-4)</b>	
Partition coefficient n-octanol/water (Log Kow)	> 3.03 – < 3.6 @ 20 °C and pH 7.84 : ECHA
<b>hexane (110-54-3)</b>	
Partition coefficient n-octanol/water (Log Kow)	≈ 4 20 °C and pH 7 - Source: ECHA
<b>Toluene (108-88-3)</b>	
Partition coefficient n-octanol/water (Log Kow)	2.73 Source: HSDB
<b>Cyclohexane (110-82-7)</b>	
Bioconcentration factor (BCF REACH)	≈ 167 l/kg ww Source : ECHA
Partition coefficient n-octanol/water (Log Pow)	≈ 3.44 @ 20 °C Source : ECHA
Partition coefficient n-octanol/water (Log Kow)	≈ 3.44 @ 25 °C and pH 7 Source : ECHA

### 12.4. Mobility in soil

<b>Dura Paints - 2K Enamel - Black &amp; Matt Black</b>	
Mobility in soil	No additional information available
<b>Xylene (1330-20-7)</b>	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 537 XYLENE: @ 20 °C : ECHA

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Carbon black (1333-86-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 589 – < 4300 @ 20 °C and 1.3 - 3.6 % organic carbon : ECHA
ethylbenzene (100-41-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 1331 at 20°C : ECHA
hexane (110-54-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 2187.76 @ 20 °C - Source : ECHA

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available




## SECTION 13: Disposal Considerations

### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapours may accumulate in the container. Do not re-use empty containers.

## SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
<b>14.1. UN number</b>		
1307	1307	1307
<b>14.2. UN Proper Shipping Name</b>		
XYLENES	XYLENES	Xylenes
<b>Transport document description</b>		
Not applicable	UN 1307 XYLENES, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (23°C c.c.)	UN 1307 Xylenes, 3, III, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>		
3	3	3
		
<b>14.4. Packing group, if applicable</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

# Dura Paints - 2K Enamel - Black & Matt Black

## Safety Data Sheet

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### 14.6. Special precautions for user

#### SANS

Special provisions (SANS)	: 223
Limited quantities (SANS)	: 5 L
Limited quantities (SANS)	: 5 L
Packagings, large packagings and IBCs Packing instructions (SANS)	: P001, IBC03, LP01
Portable tank and bulk containers instructions (SANS)	: T2
Portable tank and bulk container special provisions (SANS)	: TP1

#### IMDG

Special provisions (IMDG)	: 223
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG)	: A
Flash point (IMDG)	: 23°C to 30°C c.c.
Properties and observations (IMDG)	: Colourless liquids. Flashpoint: 23°C to 30°C c.c. Explosive limits: 1.1% to 7%. Immiscible with water.

#### IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

### 14.7. Transport in bulk according to IMO instructions

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

#### 15.1.1. OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

##### Prohibited Hazardous Chemical Agents

Not regulated

### 15.2. Safety, health, and environmental national regulations specific for the product

No additional information available

## SECTION 16: Other information

Issue date : 06/02/2025



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According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 9

Full text of H-statements:	
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
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), South Africa (HCA)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.