Dura - QD Enamel - Golden Yellow

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 10
Issue date: 3/18/2025 Revision date: 7/31/2025 Supersedes: 3/26/2025 Version: 1.2

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

1.1. GHS product identifier

Product form	:	Mixture
Trade name	:	Dura - QD Enamel - Golden Yellow
Type of product	:	Coatings
Product code	:	QDGOLDEN
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
Skin corrosion/irritation, Category 2	H315
Skin sensitisation, Category 1	H317
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 – Single exposure, Category 3, Narcosis	H336
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,May cause drowsiness or dizziness,Causes skin irritation,May cause an allergic skin reaction,May be fatal if swallowed and enters airways,Toxic to aquatic life,Toxic to aquatic life with long lasting effects.

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 : Naphtha (petroleum), hydrotreated heavy; Xylene; Hexane; Toluene; Cyclohexane; Naphta (petroleum), hydrotreated light; Butanone oxime

Hazard statements (GHS ZA) : H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H336 - May cause drowsiness or dizziness
H340 - May cause genetic defects (Dermal, Inhalation)
H350 - May cause cancer (Dermal, Inhalation)
H361 - Suspected of damaging fertility. (Dermal, Inhalation)
H370 - Causes damage to organs (Cardiac and blood circulation effects, liver, kidneys) (Dermal, Inhalation)
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation)
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS ZA) : P101 - If medical advice is needed, have product container or label at hand.
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.
P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of container to recycling, according to local regulations.

P-statements for label (GHS-ZA) : P101 - If medical advice is needed, have product container or label at hand.; 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.; P264 - Wash hands, forearms and face thoroughly after handling.; P273 - Avoid release to the environment.; P280 - Wear eye protection, protective clothing, protective gloves.; IF INHALED: Remove person to fresh air and keep comfortable for breathing.; P302+P352 - IF ON SKIN: Wash with plenty of soap and water; P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.; P333+P313 - If skin irritation or rash occurs: Get medical advice/attention; P362+P364 - Take off contaminated clothing and wash it before reuse.; P501 - Dispose of container to recycling, according to local regulations.

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

3.2. Mixture

Name	Product identifier	%	Classification according to the United Nations GHS
Toluene	CAS-No.: 108-88-3	3 – 25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	-	7.5 – 17.5	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. 3 (Inhalation:vapour), H331 STOT RE Not classified Asp. Tox. 1, H304
Xylene	CAS-No.: 1330-20-7	1.503 – 15.025	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
Naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	7.5 – 15	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 Asp. Tox. 1, H304
Naphta (petroleum), hydrotreated light	CAS-No.: 64742-49-0	4.5 – 15	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
C.I. pigment yellow 035	CAS-No.: 8048-07-5	2.5 – 8	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cyclohexane	CAS-No.: 110-82-7	0.3 – 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	0.3 – 2.5	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Name	Product identifier	%	Classification according to the United Nations GHS
C.I. Pigment orange 20	CAS-No.: 12656-57-4	0.05 – 1.6	Aquatic Chronic 2, H411
C.I. pigment red 108	CAS-No.: 58339-34-7	0.05 – 1.6	Aquatic Chronic 2, H411
Ttanium dioxide PW6	CAS-No.: 13463-67-7	0.5 – 1.5	Acute Tox. Not classified (Oral) Acute Tox. Not classified (Inhalation:dust,mist) Carc. 2, H351 Aquatic Acute 3, H402 Aquatic Chronic Not classified
Butanone oxime	CAS-No.: 96-29-7	0.04975 – 0.199	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336 STOT RE 1, H372 Aquatic Acute 2, H401 Aquatic Chronic Not classified

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.
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash 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.
Self protection of the first-aider : First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
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.

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.

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. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Xylene (1330-20-7)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
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
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Xylene, o-, m-, p- or mixed isomers
OEL TWA	218 mg/m³
	50 ppm
OEL STEL	435 mg/m³
	100 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
South Africa - Biological limit values	
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

Hexane (110-54-3)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	n-Hexane
RHCA - STEL/C	100 ppm
Remark	SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	n-Hexane
OEL TWA	70 mg/m³
	20 ppm
Regulatory reference	Government Notice No. R 904
South Africa - Biological limit values	
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

Toluene (108-88-3)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Toluene

Toluene (108-88-3)	
OEL eight hour TWA	150 ppm
	560 mg/m³
RHCA - STEL/C	40 ppm 50 ppm
	188 mg/m³
Remark	SKIN (danger of cutaneous absorption) Sk
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Toluene
OEL TWA	188 mg/m³
	50 ppm
OEL STEL	560 mg/m³
	150 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
South Africa - Biological limit values	
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

Cyclohexane (110-82-7)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Cychlohexane
RHCA - STEL/C	200 ppm
Regulatory reference	Government Notice No. R. 280, 2021
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Cychlohexane
OEL TWA	340 mg/m³
	100 ppm
OEL STEL	1030 mg/m³
	300 ppm
Regulatory reference	Government Notice No. R 904

Ttanium dioxide PW6 (13463-67-7)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Titanium dioxide
RHCA - STEL/C	10 mg/m³ 10 mg/m³ total inhalable dust 5 mg/m³ respirable dust

Ttanium dioxide PW6 (13463-67-7)	
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B)
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Titanium dioxide
OEL TWA	10 mg/m³ inhalable particulate 5 mg/m³ respirable particulate
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

Materials for protective clothing :
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

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid
Appearance : Viscous liquid.
Colour : Yellow
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 : ≈ -94.9 °C Derived from Toluene values sourced from HSDB
Boiling point : ≈ 110.6 °C Derived from Toluene values sourced from HSDB
Flash point : ≈ 4 °C Derived from Toluene values sourced from HSDB
Auto-ignition temperature : ≈ 480 °C Derived from Toluene values sourced from HSDB
Decomposition temperature : No data available
Flammability : Highly flammable liquid and vapour.
Vapour pressure : 28.4 mm Hg Derived from Toluene values sourced from HSDB
Vapour pressure at 50°C : No data available
Relative vapour density at 20°C : ≈ 3.1 Derived from Toluene values sourced from HSDB
Relative density : > 0.87 – < 0.92 Product TDS
Relative density of saturated gas/air mixture : No data available
Density : No data available

Relative gas density	:	No data available
Solubility	:	Material insoluble in water. Not miscible.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Viscosity, kinematic	:	≈ 0.74 mm²/s Derived from Xylene values sourced from ECHA
Viscosity, dynamic	:	No data available
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

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)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
LD50 oral rat	≥ 5000 mg/kg bodyweight Source : Echa
LD50 oral	> 5000 mg/kg bodyweight Animal:

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5 mg/l Source : 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

Hexane (110-54-3)	
LD50 oral rat	≈ 1600 mg/kg bodyweight 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

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)

Naphta (petroleum), hydrotreated light (64742-49-0)	
LD50 oral rat	≥ 5000 mg/kg bodyweight ECHA
LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	≥ 2000 mg/kg bodyweight ECHA
LC50 Inhalation - Rat	> 5.61 mg/l ECHA

Ttanium dioxide PW6 (13463-67-7)	
LD50 oral rat	> 2000 – < 25000 mg/kg bodyweight Practically nontoxic; Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 3.43 – < 6.82 mg/l/4h Source: ECHA

C.I. Pigment orange 20 (12656-57-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)

C.I. pigment red 108 (58339-34-7)	
LD50 oral rat	> 2000 mg/kg Source: ECHA

Butanone oxime (96-29-7)	
LD50 oral rat	> 900 – < 2326 mg/kg bodyweight Source: Echa
LD50 dermal rabbit	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 4.83 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : May cause genetic defects (Dermal, Inhalation).

Carcinogenicity : May cause cancer (Dermal, Inhalation).

Toluene (108-88-3)	
IARC group	3 - Not classifiable

Ttanium dioxide PW6 (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility. (Dermal, Inhalation).

Reproductive toxicity : Suspected of damaging fertility. (Dermal, Inhalation).

STOT-single exposure : Causes damage to organs (Cardiac and blood circulation effects, liver, kidneys) (Dermal, Inhalation). May cause drowsiness or dizziness.

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
STOT-single exposure	May cause drowsiness or dizziness.

Xylene (1330-20-7)	
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 (central nervous system) (Inhalation).

Hexane (110-54-3)	
STOT-single exposure	May cause drowsiness or dizziness.

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

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

Butanone oxime (96-29-7)	
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.

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

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
NOAEL (oral, rat, 28 days)	> 1000 mg/kg bodyweight/day Source : Echa
NOAEC (inhalation, rat, 28 days)	> 10.4 mg/l Source : Echa
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, vapour, 90 days)	> 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Xylene (1330-20-7)	
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)

Hexane (110-54-3)	
LOAEL (oral, rat, 90 days)	≥ 200 mg/kg bodyweight/day Source : ECHA
NOAEL (oral, rat, 28 days)	≥ 40 mg/kg bodyweight/day Source : ECHA

Hexane (110-54-3)	
STOT-repeated exposure	May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).

Toluene (108-88-3)	
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
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Naphta (petroleum), hydrotreated light (64742-49-0)	
LOAEC (inhalation, rat, vapour, 90 days)	16.6 mg/l air Animal: rat, Animal sex: male
NOAEC (inhalation, rat, 28 days)	≈ 1.402 mg/l ECHA
NOAEC (inhalation, rat, vapour, 90 days)	3.3 mg/l air Animal: rat, Animal sex: male

Butanone oxime (96-29-7)	
LOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEC (inhalation, rat, vapour, 90 days)	0.09 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
NOAEL (subchronic, oral, animal/male, 90 days)	110 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Dura - QD Enamel - Golden Yellow	
Viscosity, kinematic	≈ 0.74 mm²/s Derived from Xylene values sourced from ECHA

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic 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.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
LC50 - Fish [1]	≈ 76.8 g/l
EC50 72h - Algae [1]	≈ 100 mg/l Source : Echa
NOEC (chronic)	0.011 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Xylene (1330-20-7)	
LC50 - Fish [1]	> 2.6 – < 9.6 mg/l Source: ECHA
EC50 - Crustacea [1]	≥ 10.389 mg/l Source: Echa

Xylene (1330-20-7)	
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'
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

Toluene (108-88-3)	
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)	0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic fish	≥ 1.39 mg/l Source : ECHA
NOEC chronic crustacea	≈ 0.74 mg/l Source: ECHA

Cyclohexane (110-82-7)	
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

Naphta (petroleum), hydrotreated light (64742-49-0)	
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Ttanium dioxide PW6 (13463-67-7)	
EC50 - Crustacea [1]	> 2.41 – < 103.9 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	≈ 100 mg/l Source: ECHA
LOEC (acute)	≈ 160 mg/l Fish, 4 Days; Source: ECHA
LOEC (chronic)	≈ 5 mg/l Crustacea, 21 Days; Source: ECHA
NOEC (acute)	0.004 – 0.08 mg/l 28 Dday, fish; Source: Echa
NOEC (chronic)	≥ 100 mg/l 28 days; Source: ECHA
NOEC chronic fish	> 80 – < 160 mg/l 6 days; Source: ECHA

C.I. pigment yellow 035 (8048-07-5)	
LC50 - Fish [1]	> 1000 mg/l Inherited from KOSHA database
EC50 - Crustacea [1]	> 6.5 mg/l Source: Chat GPT
ErC50 algae	0.37 mg/l Source: ECHA

C.I. Pigment orange 20 (12656-57-4)	
LC50 - Fish [1]	≥ 1 g/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 72h - Algae [1]	3.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.29 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

C.I. Pigment orange 20 (12656-57-4)	
NOEC (chronic)	0.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

C.I. pigment red 108 (58339-34-7)	
LC50 - Fish [1]	> 1000 mg/l Source: ECHA
EC50 - Crustacea [1]	> 2.2 mg/l Source: ECHA
EC50 72h - Algae [1]	3.1 mg/l Source: ECHA

Butanone oxime (96-29-7)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	≈ 201 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	≈ 11.8 mg/l Test organisms (species): Scenedesmus capricornutum
EC50 72h - Algae [2]	≈ 6.09 mg/l Test organisms (species): Scenedesmus capricornutum
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 50 – < 100 mg/l Source: Echa
NOEC chronic algae	≥ 2.56 mg/l Freshwater Algae; Source: Echa

12.2. Persistence and degradability

Dura - QD Enamel - Golden Yellow	
Persistence and degradability	Not rapidly degradable

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Persistence and degradability	

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
Persistence and degradability	

Xylene (1330-20-7)	
Persistence and degradability	
Chemical oxygen demand (COD)	> 2.56 – < 2.91 g O_2/g substance

Hexane (110-54-3)	
Persistence and degradability	

Toluene (108-88-3)	
Persistence and degradability	

Cyclohexane (110-82-7)	
Persistence and degradability	

Naphta (petroleum), hydrotreated light (64742-49-0)	
Persistence and degradability	

Ttanium dioxide PW6 (13463-67-7)	
Persistence and degradability	

C.I. pigment yellow 035 (8048-07-5)	
Persistence and degradability	

C.I. Pigment orange 20 (12656-57-4)	
Persistence and degradability	

C.I. pigment red 108 (58339-34-7)	
Persistence and degradability	

Butanone oxime (96-29-7)	
Persistence and degradability	

12.3. Bioaccumulative potential

Dura - QD Enamel - Golden Yellow	
Bioaccumulative potential	No additional information available

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
Partition coefficient n-octanol/water (Log Kow)	> 1.99 – < 6.73 @ 20 °C and pH 7; Source : Echa

Xylene (1330-20-7)	
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

Hexane (110-54-3)	
Partition coefficient n-octanol/water (Log Kow)	≈ 4 20 °C and pH 7 - Source: ECHA

Toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Kow)	2.73 Source: HSDB

Cyclohexane (110-82-7)	
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

Butanone oxime (96-29-7)	
Partition coefficient n-octanol/water (Log Pow)	≈ 0.63 @ 25 °C; Source: Echa
Partition coefficient n-octanol/water (Log Kow)	≈ 0.63 Source: Echa

12.4. Mobility in soil

Dura - QD Enamel - Golden Yellow	
Mobility in soil	No additional information available

Xylene (1330-20-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 537 XYLENE: @ 20 °C : ECHA

Hexane (110-54-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 2187.76 @ 20 °C - Source : ECHA

Butanone oxime (96-29-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 3.52 at 20°C; Source: Echa

12.5. Other adverse effects

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

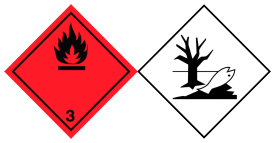
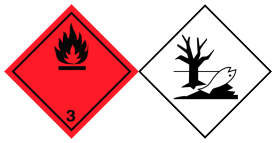
SECTION 13: Disposal Considerations

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 / UN RTDG / IMDG / IATA

SANS	UN RTDG	IMDG	IATA
14.1. UN number			
1294	Not applicable	1294	1294
14.2. UN Proper Shipping Name			
TOLUENE	Not applicable	TOLUENE	Toluene
Transport document description			
Not applicable	Not applicable	UN 1294 TOLUENE, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (7°C c.c.)	UN 1294 Toluene, 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)			
3	Not applicable	3	3
	 Not applicable		
14.4. Packing group, if applicable			
II	Not applicable	II	II
14.5. Environmental hazards			
Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available			

14.6. Special precautions for user

SANS

Limited quantities (SANS) : 1 L
Excepted quantities (SANS) : E2
Packagings, large packagings and IBCs Packing instructions (SANS) : P001, IBC02
Portable tank and bulk containers instructions (SANS) : T4
Portable tank and bulk container special provisions (SANS) : TP1

UN RTDG

No data available

IMDG

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T4
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)	:	B
Flash point (IMDG)	:	7°C c.c.
Properties and observations (IMDG)	:	Colourless liquid with a benzene-like odour. Flashpoint: 7°C c.c. Explosive limits: 1.27% to 7%. Immiscible with water.

IATA

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y341
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
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

Regulatory reference : Complies with the South African legal lead limit of 90ppm or less

SECTION 16: Other information

Issue date	:	18/03/2025
Revision date	:	31/07/2025
Supersedes	:	26/03/2025

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
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H331	Toxic if inhaled
H332	Harmful if inhaled

Full text of H-statements:	
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
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful 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.