

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

1.1. GHS product identifier

Product form	: Mixture
Trade name	: Dura - Industrial Tint - Lemon Yellow 34
Type of product	: Coatings
Product code	: TINTLEMON34
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	: Colourant used in light industrial coatings
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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
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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 3	H226
Acute toxicity (dermal), Category 5	H313
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Specific target organ toxicity – single exposure, Category 1	H370
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects	: Flammable liquid and vapour,May cause cancer,May cause genetic defects,Causes damage to organs,Harmful if inhaled,Harmful in contact with skin,Causes skin irritation,Very 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

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Hazardous ingredients	: Xylene;Naphtha (petroleum), heavy alkylate
Hazard statements (GHS ZA)	: H226 - Flammable liquid and vapour H313 - May be harmful in contact with skin H315 - Causes skin irritation H332 - Harmful if inhaled H340 - May cause genetic defects (Dermal, Inhalation) H350 - May cause cancer (Inhalation) H370 - Causes damage to organs (central nervous system, respiratory system, Skin) (Dermal, Inhalation, Oral) H410 - Very 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 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. P302+P352 - IF ON SKIN: Wash with plenty of soap and water IF INHALED: Remove person to fresh air and keep comfortable for breathing. P332+P313 - If skin irritation occurs: Get medical advice/attention 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 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.; P302+P352 - IF ON SKIN: Wash with plenty of soap and water; IF INHALED: Remove person to fresh air and keep comfortable for breathing.; P332+P313 - If skin irritation occurs: Get medical advice/attention; 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

3.2. Mixture

Name	Product identifier	%	Classification according to the United Nations GHS
C.I. pigment yellow 035	CAS-No.: 8048-07-5	30 – 65	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Xylene	CAS-No.: 1330-20-7	20 – 30	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), heavy alkylate	CAS-No.: 64741-65-7	0.1 – 0.625	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

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SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
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	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: May be harmful in contact with skin. Irritation.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

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	: 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

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/m ³
	50 ppm
OEL STEL	435 mg/m ³
	100 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904

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Xylene (1330-20-7)

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

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

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
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	: > -39.3 – < -38.67 °C XYLENE @ 101.3 kPa: ECHA
Boiling point	: ≈ 139 °C Supplier SDS
Flash point	: ≈ 27 °C Supplier SDS
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Flammable liquid and vapour.
Vapour pressure	: ≈ 14.2 hPa Supplier SDS
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	: ≈ 0.865 g/cm³ @ 20 deg. C : Supplier SDS
Relative gas density	: No data available
Solubility	: Negligible. Water: > 162.375 – < 165.8 mg/l XYLENE @ 25 °C : ECHA
Partition coefficient n-octanol/water (Log Pow)	: > 3.12 – < 3.2 XYLENE @ 20 °C and pH 7: ECHA
Partition coefficient n-octanol/water (Log Kow)	: > 3.155 – < 3.16 XYLENE @ 20 °C : ECHA
Viscosity, kinematic	: < 1 mm²/s @ 40 deg C : Supplier SDS

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Viscosity, dynamic	: > 0.581 – < 0.76 mPa·s	XYLENE : ECHA
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	: No data available	

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

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

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)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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ATE ZA (Dermal)	3666.667 mg/kg bodyweight
ATE ZA (dust, mist)	5 mg/l/4h
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
C.I. pigment yellow 035 (8048-07-5)	
LD50 oral rat	> 2000 mg/kg Source: ECHA

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects (Dermal, Inhalation).

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Carcinogenicity	: May cause cancer (Inhalation).
Reproductive toxicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs (central nervous system, respiratory system, Skin) (Dermal, Inhalation, Oral).

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.

STOT-repeated exposure : Not classified

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)

Aspiration hazard : Not classified

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Viscosity, kinematic	< 1 mm²/s @ 40 deg C : Supplier SDS

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

Xylene (1330-20-7)	
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'
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

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

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable

Xylene (1330-20-7)	
Persistence and degradability	
Chemical oxygen demand (COD)	> 2.56 – < 2.91 g O ₂ /g substance

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Naphtha (petroleum), heavy alkylate (64741-65-7)

Persistence and degradability

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

Persistence and degradability

12.3. Bioaccumulative potential

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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

Bioaccumulative potential

No additional information available

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

12.4. Mobility in soil

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Mobility in soil

No additional information available

Xylene (1330-20-7)

Organic Carbon Normalized Adsorption Coefficient
(Log Koc)

≈ 537 XYLENE: @ 20 °C : 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
14.1. UN number		
1307	1307	1307
14.2. UN Proper Shipping Name		
XYLENES	XYLENES	Xylenes
Transport document description		
Not applicable	UN 1307 XYLENES, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (23°C c.c.)	UN 1307 Xylenes, 3, III, ENVIRONMENTALLY HAZARDOUS

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SANS	IMDG	IATA
14.3. Transport hazard class(es)		
3	3	3
		
14.4. Packing group, if applicable		
III	III	III
14.5. Environmental hazards		
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

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

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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 : 08/01/2025
Revision date : 13/01/2025
Supersedes : 13/01/2025

Full text of H-statements:

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H313	May be harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H340	May cause genetic defects
H350	May cause cancer
H370	Causes damage to organs
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.