

Dura-Ink® Fine, Dura-Ink® Metal Barrel Chisel, Dura-Ink® Chisel, Dura-Ink® Jumbo Chisel Black

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada Hazardous Products Regulations (HPR) / Règlement sur les produits dangereux (RPD)

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SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Trade name : Dura-Ink® Fine, Dura-Ink® Metal Barrel Chisel, Dura-Ink® Chisel, Dura-Ink® Jumbo Chisel Black

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Marking.
 Restrictions on use : No additional information available

1.3. Supplier

LA-CO Industries, Inc.
 1201 Pratt Boulevard
 Elk Grove Village, IL. 60007-5746
 Phone: (847) 956-7600
 Fax: (847) 956-9885
 E-mail: customer_service@laco.com



1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887;
 全国应急中心 0532 8388 9090

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Flammable liquids, Category 2	H225 Highly flammable liquid and vapour.
Skin corrosion/irritation, Category 2	H315 Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318 Causes serious eye damage.
Skin sensitisation, category 1B	H317 May cause an allergic skin reaction.
Germ cell mutagenicity, Category 2	H341 Suspected of causing genetic defects.
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336 May cause drowsiness or dizziness.
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411 Toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS) :



Signal word (GHS) : Danger

Hazard statements (GHS US) :

- H225 - Highly flammable liquid and vapour.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H336 - May cause drowsiness or dizziness.
- H341 - Suspected of causing genetic defects.
- H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS) :

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground/bond container and receiving equipment
- P241 - Use explosion-proof electrical, ventilating, lighting equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.

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P261 - Avoid breathing mist, vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a doctor.
P312 - Call a poison center/doctor if you feel unwell
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use carbon dioxide (CO₂), dry extinguishing powder, Water spray to extinguish.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to Collection point.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS_US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
propan-1-ol	(CAS-No.) 71-23-8	50 – 100	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336
1-Methoxy-2-propanol	(CAS-No.) 107-98-2	10 – 25	Flam. Liq. 3, H226 STOT SE 3, H336
Phosphoric acid, 2-ethylhexyl ester	(CAS-No.) 12645-31-7	2.5 - <5	Flam. Liq. 4, H227 Skin Corr. 1B, H314
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	(CAS-No.) 561-41-1 / 52080-58-7	≤ 2.5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 3, H412
4-(phenylazo)benzene-1,3-diamine; C.I. Solvent Orange 3	(CAS-No.) 495-54-5	≤ 2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Muta. 2, H341 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
α,α-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone	(CAS-No.) 6786-83-0	≤ 1	Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : May cause drowsiness or dizziness. Inhalation of vapours may cause respiratory irritation.
- Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Causes serious eye damage.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Water spray.
- Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

- Fire hazard : Highly flammable liquid and vapour. Flammable vapours may accumulate in the container. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : No dangerous reactions known.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Do not breathe aerosol. Do not breathe vapour. Do not get in eyes, on skin, or on clothing.

6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Do not breathe aerosol. Use only outdoors or in a well-ventilated area. Do not breathe vapours. Do not get in eyes, on skin, or on clothing.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.
Storage conditions	: Keep in fireproof place. Keep container tightly closed.
Incompatible products	: Strong oxidizers.
Heat and ignition sources	: Keep away from heat, sparks and flame.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-Methoxy-2-propanol (107-98-2)		
ACGIH	Local name	1-Methoxy-2-propanol
ACGIH	ACGIH TWA (mg/m ³)	369 mg/m ³
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	ACGIH STEL (mg/m ³)	553 mg/m ³
ACGIH	ACGIH STEL (ppm)	100 ppm
ACGIH	Remark (ACGIH)	Eye irr; CNS impair; A4 (Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories)
NIOSH	NIOSH REL (TWA) (mg/m ³)	360 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	540 mg/m ³
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
propan-1-ol (71-23-8)		
ACGIH	Local name	n-Propanol (n-Propyl alcohol)
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	OSHA PEL (TWA) (mg/m ³)	500 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	500 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	625 mg/m ³
NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
Phosphoric acid, 2-ethylhexyl ester (12645-31-7)		
Not applicable		

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4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (561-41-1 / 52080-58-7)

Not applicable

4-(phenylazo)benzene-1,3-diamine; C.I. Solvent Orange 3 (495-54-5)

Not applicable

α,α -bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)

Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid splashing. Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves. nitrile rubber gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Approved respirator

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Solid marker containing liquid colored paint.
Colour	: Black
Odour	: Solvent
Odour threshold	: No data available
pH	: 5.5 @ 20 °C
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 96.5 – 97.5 °C
Flash point	: 22 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour.
Vapour pressure	: 19 hPa @ 20 °C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.9 g/cm ³ @ 20 °C
Solubility	: Miscible with water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 5.556 mm ² /s

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Viscosity, dynamic	: 5 mPa·s @ 20 °C
Explosive limits	: 1.7 vol % 13.5 g/m ³
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content	: 87 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid excessive heat or cold. Direct sunlight. Heat. Keep away from sources of ignition. Open flame. Overheating. Sparks.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases.

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

1-Methoxy-2-propanol (107-98-2)	
LD50 oral rat	4016 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (ppm)	> 7000 ppm 6 hr
ATE (oral)	4016 mg/kg bodyweight
propan-1-ol (71-23-8)	
LD50 oral rat	5400 mg/kg
LD50 dermal rabbit	4032 mg/kg
LC50 inhalation rat (mg/l)	> 33.8 mg/l/4h
ATE (oral)	5400 mg/kg bodyweight
ATE (dermal)	4032 mg/kg bodyweight
Phosphoric acid, 2-ethylhexyl ester (12645-31-7)	
LD50 oral rat	2500 mg/kg bodyweight
ATE (oral)	2500 mg/kg bodyweight
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (561-41-1 / 52080-58-7)	
LD50 oral rat	> 300 (≤ 2000) mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE (oral)	2000 mg/kg bodyweight
4-(phenylazo)benzene-1,3-diamine; C.I. Solvent Orange 3 (495-54-5)	
ATE (oral)	500 mg/kg bodyweight
α,α-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)	
LD50 oral rat	> 2000 mg/kg female
LD50 dermal rat	> 2000 mg/kg

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Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

1-Methoxy-2-propanol (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.

propan-1-ol (71-23-8)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 5.556 mm ² /s
Likely routes of exposure	: Inhalation. Skin and eye contact.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness. Inhalation of vapours may cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

1-Methoxy-2-propanol (107-98-2)	
LC50 fish 1	20800 mg/l
EC50 crustacea	23300 mg/l
ErC50 (algae)	> 1000 mg/l

propan-1-ol (71-23-8)	
LC50 fish 1	4555 mg/l 96 h
EC50 crustacea	1000 mg/l 48 h

Phosphoric acid, 2-ethylhexyl ester (12645-31-7)	
LC50 fish 1	260 mg/l
EC50 other aquatic organisms 1	1410 mg/l

4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (561-41-1 / 52080-58-7)	
LC50 fish 1	1.6 mg/l 96 h Zebra fish
EC50 crustacea	10.8 mg/l 48 h
NOEC chronic fish	0.293 mg/l 28 d

α,α-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)	
LC50 fish 1	31.64283 mg/l 48 h; Oryzias latipes
EC50 crustacea	0.025 mg/l 48 h Daphnie
LC50 fish 2	36.71547 mg/l 96 h; Oncorhynchus mykiss
NOEC (chronic)	0.4063749 mg/l 504 h; daphnia magna

12.2. Persistence and degradability

Dura-Ink® Fine, Dura-Ink® Metal Barrel Chisel, Dura-Ink® Chisel, Dura-Ink® Jumbo Chisel Black	
Persistence and degradability	May cause long-term adverse effects in the environment.

1-Methoxy-2-propanol (107-98-2)	
Persistence and degradability	Readily biodegradable.
Biodegradation	96 % 28 d

propan-1-ol (71-23-8)	
Persistence and degradability	Readily biodegradable.

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propan-1-ol (71-23-8)	
Biodegradation	75 % 20 d
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (561-41-1 / 52080-58-7)	
Persistence and degradability	Not readily biodegradable.
α,α-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	50 % estimated

12.3. Bioaccumulative potential

Dura-Ink® Fine, Dura-Ink® Metal Barrel Chisel, Dura-Ink® Chisel, Dura-Ink® Jumbo Chisel Black	
Bioaccumulative potential	Not established.
1-Methoxy-2-propanol (107-98-2)	
Bioaccumulative potential	Not expected to bioaccumulate.
propan-1-ol (71-23-8)	
BCF fish 1	0.88
Log Pow	0.2
Phosphoric acid, 2-ethylhexyl ester (12645-31-7)	
Log Pow	1.06
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (561-41-1 / 52080-58-7)	
Log Pow	4.365
α,α-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)	
Bioconcentration factor (BCF REACH)	10000 estimated
Log Pow	0.8055
Bioaccumulative potential	Expected to bioaccumulate.

12.4. Mobility in soil

Dura-Ink® Fine, Dura-Ink® Metal Barrel Chisel, Dura-Ink® Chisel, Dura-Ink® Jumbo Chisel Black	
Ecology - soil	Not established.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Other information : Per ICAO/IATA Regulations 3.4.1.1.2; IMDG Regulations 2.4.2.2.2 Product testing according to the UN regulations for classification of readily combustible solids section 33.2.1.4.3.1 – Preliminary Screening Test.
Inner filter with absorbed ink is removed from marker body. Filter tested is 20 mm diameter. End of filter is ignited using 2000°C torch. After 2 minutes only 50 mm length of cylinder has burned.
Product is not readily combustible solid of Division 4.1

Transportation of Dangerous Goods

Not regulated.

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Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

1-Methoxy-2-propanol (107-98-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

propan-1-ol (71-23-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Phosphoric acid, 2-ethylhexyl ester (12645-31-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (561-41-1 / 52080-58-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

4-(phenylazo)benzene-1,3-diamine; C.I. Solvent Orange 3 (495-54-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

α,α -bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

1-Methoxy-2-propanol (107-98-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Phosphoric acid, 2-ethylhexyl ester (12645-31-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

4-(phenylazo)benzene-1,3-diamine; C.I. Solvent Orange 3 (495-54-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

α,α -bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

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All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

1-Methoxy-2-propanol (107-98-2)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on Taiwan National Chemical Inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

propan-1-ol (71-23-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Chinese Catalog of Hazardous Chemicals.
Listed on NZIoC (New Zealand Inventory of Chemicals)

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propan-1-ol (71-23-8)

Listed on Taiwan National Chemical Inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Phosphoric acid, 2-ethylhexyl ester (12645-31-7)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on Taiwan National Chemical Inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

4-(phenylazo)benzene-1,3-diamine; C.I. Solvent Orange 3 (495-54-5)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on Taiwan National Chemical Inventory
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Listed on KECL/KECI (Korean Existing Chemicals Inventory)

α,α -bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol; C.I. Solvent Blue 4; < 0,1% Michler's Ketone (6786-83-0)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on Taiwan National Chemical Inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
1-Methoxy-2-propanol(107-98-2)	U.S. - Idaho - Occupational Exposure Limits - Ceilings; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Right to Know List of Hazardous Chemicals; U.S. - Washington - Permissible Exposure Limits - STELs; U.S. - Washington - Permissible Exposure Limits - TWAs
propan-1-ol(71-23-8)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.

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H227	Combustible liquid
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
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.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	OSHA: Occupational Safety & Health Administration
	PBT: Persistent, Bioaccumulative, Toxic
	TSCA: Toxic Substances Control Act

NFPA health hazard

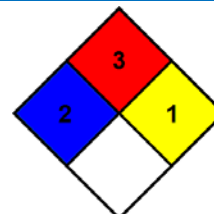
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



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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.