

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

- Product Name** • DTX BAR
Product Description • Black liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified use(s)** • Acid resist inkjet fluid

1.3 Details of the supplier of the safety data sheet

- Manufacturer** • IKONICS Corporation
4832 Grand Ave.
Duluth, MN 55807
United States
www.ikonics.com
sds@ikonics.com
- Telephone (General)** • (218) 628-2217
Telephone (General) • (800) 328-4261 - Toll free

1.4 Emergency telephone number

- Chemtrec** • 1-800-424-9300 - Within USA and Canada
• +1 703-527-3887 - Outside USA and Canada (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP** • Skin Irritation 2 - H315
Skin Sensitization 1 - H317
Eye Irritation 2 - H319
- DSD/DPD** • Irritant (Xi)
Sensitizer
R36, R37, R38, R43

2.2 Label Elements

CLP

WARNING



- Hazard statements** • H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements

- Prevention**
- P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.
 - P264 - Wash thoroughly after handling.
 - P272 - Contaminated work clothing should not be allowed out of the workplace.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.

- Response**
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P321 - Specific treatment, see supplemental first aid information.

- Storage/Disposal**
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R36 - Irritating to eyes.
 - R37 - Irritating to respiratory system.
 - R38 - Irritating to skin.
 - R43 - May cause sensitization by skin contact.

- Safety phrases**
- S24 - Avoid contact with skin.
 - S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S37 - Wear suitable gloves.
 - S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

- CLP
- No data available
- DSD/DPD
- No data available

UN GHS

According to Third Revised Edition

2.1 Classification of the substance or mixture

- UN GHS
- Skin Irritation 2 - H315
 - Skin Sensitization 1 - H317
 - Eye Irritation 2 - H319

2.2 Label elements

UN GHS

WARNING



- Hazard statements**
- H315 - Causes skin irritation
 - H317 - May cause an allergic skin reaction
 - H319 - Causes serious eye irritation

Precautionary statements

- Prevention**
- P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.
 - P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.
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- Response**
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P321 - Specific treatment, see supplemental first aid information.

- Storage/Disposal**
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

UN GHS • No data available

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Skin Irritation 2 - H315
- Skin Sensitization 1 - H317
- Eye Irritation 2 - H319

2.2 Label elements

OSHA HCS 2012

WARNING



- Hazard statements**
- Causes skin irritation - H315
 - May cause an allergic skin reaction - H317
 - Causes serious eye irritation - H319

Precautionary statements

- Prevention**
- Avoid breathing dust, fume, gas, mist, vapors and/or spray. - P261
 - Wash thoroughly after handling. - P264
 - Contaminated work clothing should not be allowed out of the workplace. - P272
 - Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response**
- IF ON SKIN: Wash with plenty of soap and water. - P302+P352
 - If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
 - Take off contaminated clothing and wash before reuse. - P362
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
 - If eye irritation persists: Get medical advice/attention. - P337+P313
 - Specific treatment, see supplemental first aid information. - P321

- Storage/Disposal**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012 • No data available

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS • Other Toxic Effects - D2B

2.2 Label elements

WHMIS



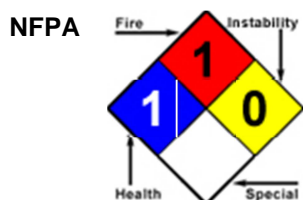
- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- No data available

2.4 Other information



Key to abbreviations

= See Section 16 for full text of R and S phrases.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
aromatic acrylate	NDA	80% TO 90%		WHMIS: UN GHS: EU DSD/DPD: EU CLP: OSHA HCS 2012: Slin Irrit. 2; Eye Irrit. 2; Skin Sens. 1	NDA
Acrylic acid, tridecyl ester	CAS: 3076-04-8 EINECS: 221-351-8	10% TO 20%	Ingestion/Oral-Rat LD50 • 44700 µL/kg Skin-Rabbit LD50 • 6300 µL/kg	WHMIS: UN GHS: EU DSD/DPD: EU CLP: OSHA HCS 2012: Skin Sens. 1	NDA
Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	CAS: 162881-26- 7 EC Number: 423- 340-5 EU Index: 015- 189-00-5	1% TO 3%		WHMIS: UN GHS: Aquatic Chronic 3; Skin Sens. 1 EU DSD/DPD: R43; R53 EU CLP: OSHA HCS 2012:	NDA
Phenol, p-methoxy-	CAS: 150-76-5 EC Number: 205- 769-8 EU Index: 604- 044-00-7 EINECS: 205- 769-8	0.1% TO 0.2%	Ingestion/Oral-Rat LD50 • 1600 mg/kg	WHMIS: UN GHS: Acute Tox. Oral 4; Eye Irrit. 2A; Skin Sens. 1 EU DSD/DPD: Harmful(Xn); Irritant(Xi); R22; R36; R43 EU CLP: OSHA HCS 2012:	NDA

Key to abbreviations

= See Section 16 for full text of R and S phrases.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration and call 911 or emergency medical service.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Eye**
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.
- Unsuitable Extinguishing Media**
- No data available
- Firefighting Procedures**
- LARGE FIRES: Use extinguishing agent suitable for type of surrounding fire. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away. Ventilate closed spaces before entering.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Material may burn, but does not ignite readily.
- Hazardous Combustion Products**
- Products of combustion include: carbon oxides (CO_x), nitrogen oxides (NO_x).

5.3 Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.
- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

6.2 Environmental precautions

- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Use appropriate Personal Protective Equipment (PPE)
 - Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Keep container closed when not in use. Store away from extreme heat. Do not freeze. Store material in its original packaging to prevent UV exposure.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Argentina	Australia	Belgium	Canada Alberta
Phenol, p-methoxy- (150-76-5)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA [CMP]	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada British Columbia	Canada Manitoba	Canada New Brunswick	Canada Nova Scotia	Canada Ontario
Phenol, p-methoxy- (150-76-5)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Quebec	Canada Saskatchewan	Denmark	France	Indonesia
Phenol, p-methoxy- (150-76-5)	TWAs	5 mg/m3 TWAEV	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA [VME]	5 mg/m3 TWA
	STELs	Not established	10 mg/m3 STEL	Not established	Not established	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Ireland	Korea	New Zealand	NIOSH	Norway
Phenol, p-methoxy- (150-76-5)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA (Serial No. 156)	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Poland	Portugal	Singapore	South Africa	Spain
Phenol, p-methoxy- (150-76-5)	TWAs	5 mg/m3 TWA [NDS]	5 mg/m3 TWA [VLE-MP]	5 mg/m3 PEL	5 mg/m3 TWA	5 mg/m3 TWA [VLA-ED]
Exposure Limits/Guidelines (Con't.)						
	Result	Taiwan		Venezuela		
Phenol, p-methoxy- (150-76-5)	TWAs	5 mg/m3 TWA		5 mg/m3 TWA [CAP]		

Exposure Control Notations

Spain

- Phenol, p-methoxy- (150-76-5): **Sensitizers:** (sensitizer)

**Exposure Limits Supplemental
ACGIH**

•Phenol, p-methoxy- (150-76-5): **TLV Basis - Critical Effects:** (eye irritation; skin damage)

8.2 Exposure controls

Engineering Measures/Controls • Local exhaust is recommended but not required. Provide adequate ventilation as necessary.

Personal Protective Equipment

Pictograms • 

Respiratory • Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face • Wear protective eyewear (goggles, face shield, or safety glasses).

Hands • Wear protective gloves - rubber or neoprene.

Skin/Body • Wear protective clothing - apron or other impervious body coverings.

General Industrial Hygiene Considerations • Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls • No data available

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Color	Black
Odor	Mild	Odor Threshold	No data available
Physical and Chemical Properties	UV reactive.		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	1.012 Water=1	Water Solubility	Insoluble
Viscosity	80-85 Centipoise (cPs, cP) or mPas	Explosive Properties	Not relevant
Oxidizing Properties:	Not relevant		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	No data available		
Flammability			
Flash Point	No data available	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not relevant		
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

9.2 Other Information

- Polymerizes to solid/semisolid form upon exposure to UV radiation.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- UV reactive.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid freezing. Excess heat. Strong light.

10.5 Incompatible materials

- No data available

10.6 Hazardous decomposition products

- No decomposition is expected under normal storage and use conditions. Hazardous decomposition products formed under fire conditions - carbon oxides (CO_x), nitrogen oxides (NO_x).

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Acrylic acid, tridecyl ester (10% TO 20%)	3076-04-8	Acute Toxicity: orl-rat LD50:44700 uL/kg; skn-rbt LD50:6300 uL/kg; Irritation: skn-rbt 10 mg/24H open SEV
Phenol, p-methoxy- (0.1% TO 0.2%)	150-76-5	Acute Toxicity: orl-rat LD50:1600 mg/kg; Irritation: skn-rbt 6 gm/12D-I MLD; Multi-dose Toxicity: orl-rat TDLo:18375 mg/kg/7W-I
GHS Properties	Classification	
Acute toxicity	EU/CLP• OSHA HCS 2012• UN GHS•	
Aspiration Hazard	EU/CLP• OSHA HCS 2012• UN GHS•	
Carcinogenicity	EU/CLP• OSHA HCS 2012• UN GHS•	
Germ Cell Mutagenicity	EU/CLP• OSHA HCS 2012• UN GHS•	
Skin corrosion/Irritation	EU/CLP•Skin Irritation 2 OSHA HCS 2012•Skin Irritation 2 UN GHS•Skin Irritation 2	
Skin sensitization	EU/CLP•Skin Sensitizer 1 OSHA HCS 2012•Skin Sensitizer 1 UN GHS•Skin Sensitizer 1	
STOT-RE	EU/CLP• OSHA HCS 2012• UN GHS•	
STOT-SE	EU/CLP• OSHA HCS 2012• UN GHS•	

Toxicity for Reproduction	EU/CLP• OSHA HCS 2012• UN GHS•
Respiratory sensitization	EU/CLP• OSHA HCS 2012• UN GHS•
Serious eye damage/Irritation	EU/CLP•Eye Irritation 2 OSHA HCS 2012•Eye Irritation 2 UN GHS•Eye Irritation 2A

Route(s) of entry/exposure • Skin, Eye

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause irritation.

Chronic (Delayed)

- Repeated and prolonged exposure may cause irritation.

Skin

Acute (Immediate)

- Causes skin irritation. May cause an allergic skin reaction.

Chronic (Delayed)

- Repeated and prolonged exposure may cause sensitization.

Eye

Acute (Immediate)

- Causes serious eye irritation.

Chronic (Delayed)

- Repeated and prolonged exposure may be harmful.

Ingestion

Acute (Immediate)

- May cause irritation.

Chronic (Delayed)

- No specific information available.

Section 12 - Ecological Information

12.1 Toxicity

- No data available

12.2 Persistence and degradability

- No data available

12.3 Bioaccumulative potential

- No data available

12.4 Mobility in Soil

- No data available

12.5 Results of PBT and vPvB assessment

- No data available

12.6 Other adverse effects

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of container in accordance with local, regional, national, and/or international regulations.

13.2 Other Information

- Dispose of wastes in an approved waste disposal facility.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	NDA	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

14.8 Other information

DOT • Not regulated.

IMO/IMDG • Not regulated.

IATA/ICAO • Not regulated.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

State Right To Know						
Component	CAS	MA	NJ		PA	
Acrylic acid, tridecyl ester	3076-04-8	No	No		No	
Phenol, p-methoxy-	150-76-5	Yes	Yes		Yes	
Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	No	No		No	
Inventory						
Component	CAS	Australia AICS	Canada DSL	Canada NDSL	China	EU EINECS
Acrylic acid, tridecyl ester	3076-04-8	Yes	No	Yes	Yes	Yes
Phenol, p-methoxy-	150-76-5	Yes	Yes	No	Yes	Yes
Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Yes	Yes	No	Yes	No
Inventory (Con't.)						
Component	CAS	EU ELNICS	Japan ENCS	Korea KECL	New Zealand	Philippines PICCS
Acrylic acid, tridecyl ester	3076-04-8	No	Yes	Yes	Yes	No
Phenol, p-methoxy-	150-76-5	No	Yes	Yes	Yes	Yes
Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Yes	Yes	Yes	Yes	Yes
Inventory (Con't.)						
Component	CAS	Switzerland SWISS		TSCA		
Acrylic acid, tridecyl ester	3076-04-8	No		Yes		
Phenol, p-methoxy-	150-76-5	No		Yes		
Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Yes		Yes		

Australia

Labor

Australia - List of Designated Hazardous Substances - Classification

•Phenol, p-methoxy-	150-76-5	Xn, Xi R22, R36, R43
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	R43, R53
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

•Phenol, p-methoxy-	150-76-5	D2B
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Not Listed
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Canada - WHMIS - Ingredient Disclosure List

•Phenol, p-methoxy-	150-76-5	1 %
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Not Listed
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

•Phenol, p-methoxy-	150-76-5	Xn; R22 Xi; R36 R43
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	R43 R53
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

•Phenol, p-methoxy-	150-76-5	Xn R:22-36-43 S:(2)-24/25-26-37/39-46
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Xi R:43-53 S:(2)-22-24-37-61
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

•Phenol, p-methoxy-	150-76-5	S:(2)-24/25-26-37/39-46
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	S:(2)-22-24-37-61
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Germany

Environment

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

•Phenol, p-methoxy-	150-76-5	ID Number 129, hazard class 1 - low hazard to waters
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Not Listed
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

•Phenol, p-methoxy-	150-76-5	Not Listed
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	ID Number 2126, hazard class 1 - low hazard to waters
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Japan

Labor

Japan - ISHL Notifiable Substances

•Phenol, p-methoxy-	150-76-5	>1 % weight [Table 9, 447]
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Not Listed
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Other

Japan - Chemical Substance Control Law (CSCL) - Examined Existing Chemical Substances

•Phenol, p-methoxy-	150-76-5	Readily biodegradable
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	Not Listed
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

Korea

Labor

Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances

•Phenol, p-methoxy-	150-76-5	Not Listed
•Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)	162881-26-7	
•Acrylic acid, tridecyl ester	3076-04-8	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.3 Other Information

- California Proposition 65: This product contains or may contain a substance(s) known to the State of California to cause cancer and/or reproductive toxicity:
Toluene CAS #108-88-3 <0.05%

Section 16 - Other Information

Relevant Phrases (code & full text)

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.
- P264 - Wash thoroughly after handling.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 - Specific treatment, see supplemental first aid information.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- R22 - Harmful if swallowed.
- R36 - Irritating to eyes.
- R37 - Irritating to respiratory system.
- R38 - Irritating to skin.
- R43 - May cause sensitization by skin contact.
- R53 - May cause long-term adverse effects in the aquatic environment.
- S24 - Avoid contact with skin.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S37 - Wear suitable gloves.
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Classification method for mixtures

- Calculation method.

Last Revision Date

- N/A

Preparation Date

- 08 April 2014

Other Information

- Approved by: Troy Bergstedt, Director of Chemical Research, (218) 628-2217 ext.142.

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