

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/19/2017

Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC
Product code : CLRDXXXXX

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Endura Manufacturing Company Ltd.
12425 149 Street NW
Edmonton, T5L 2J6 - Canada
T 1-780-451-4242 - F 1-780-452-5079
info@endura.ca - www.endura.ca

1.4. Emergency telephone number

Emergency number : In the event of an emergency involving dangerous goods:
in Canada call CANUTEC at 613-996-6666 or *666 on a cellular phone.
in the US call CHEMTREC at 800-424-9300 (Account Name for US is Polyglass Coatings)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 3 H226 - Flammable liquid and vapor
Carc. 1A H350 - May cause cancer
STOT SE 3 H336 - May cause drowsiness or dizziness
STOT RE 2 H373 - May cause damage to organs through prolonged or repeated exposure

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapor
H336 - May cause drowsiness or dizziness
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces. - 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
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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
P308+P313 - If exposed or concerned: Get medical advice/attention
P312 - Call a poison center or a doctor if you feel unwell

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P314 - Get medical advice/attention if you feel unwell
P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2) to extinguish
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 in accordance with all local, regional, national and international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|---|---------------------|-----------------|--|
| quartz, conc respirable crystalline silica \geq 10% | (CAS No) 14808-60-7 | 31.064 - 36.242 | Carc. 1A, H350 |
| n-butyl acetate | (CAS No) 123-86-4 | 11.538 - 35.338 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| titanium(IV) oxide | (CAS No) 13463-67-7 | 0 - 16 | Carc. 2, H351 |
| ethylbenzene | (CAS No) 100-41-4 | 0.007 - 1.87 | Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 |
| xylene, mixture of isomers | (CAS No) 1330-20-7 | 0.053 - 1.842 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 |
| carbon black | (CAS No) 1333-86-4 | 0 - 1.6 | Carc. 2, H351 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
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. Remove/Take off all contaminated clothing immediately.
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 and effects, both acute and delayed

Symptoms/injuries : May cause drowsiness or dizziness.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor.
Reactivity : Flammable liquid and vapor.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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/vapors/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".

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

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 vapors 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/vapors/spray.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| xylene, mixture of isomers (1330-20-7) | | |
|--|--------------------------------------|---|
| ACGIH | Remark (ACGIH) | URT & eye irr; CNS impair |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 435 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| OSHA | OSHA PEL (STEL) (mg/m ³) | 655 mg/m ³ |
| n-butyl acetate (123-86-4) | | |
| ACGIH | ACGIH TWA (ppm) | 150 ppm (n-Butyl acetate; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH | ACGIH STEL (ppm) | 200 ppm (n-Butyl acetate; USA; Short time value; TLV - Adopted Value) |
| ACGIH | Remark (ACGIH) | Eye & URT irr |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 710 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 150 ppm |
| ethylbenzene (100-41-4) | | |
| ACGIH | ACGIH TWA (ppm) | 20 ppm (Ethyl benzene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| ethylbenzene (100-41-4) | | |
|-------------------------|-------------------------------------|-----------------------------------|
| ACGIH | Remark (ACGIH) | URT irr; kidney dam (nephropathy) |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 435 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |

| quartz, conc respirable crystalline silica \geq 10% (14808-60-7) | | |
|--|-------------------------------------|--|
| ACGIH | ACGIH TWA (mg/m ³) | 0.025 mg/m ³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction) |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 0.1 mg/m ³ |
| OSHA | Remark (OSHA) | (3) See Table Z-3. |

| titanium(IV) oxide (13463-67-7) | | |
|---------------------------------|-------------------------------------|---|
| ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH | Remark (ACGIH) | LRT irr; A3 |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ |

| carbon black (1333-86-4) | | |
|--------------------------|-------------------------------------|--|
| ACGIH | ACGIH TWA (mg/m ³) | 3 mg/m ³ (Carbon black; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction) |
| ACGIH | Remark (ACGIH) | Bronchitis |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 3.5 mg/m ³ |

8.2. Exposure controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Hand protection | : Protective gloves. |
| Eye protection | : Safety glasses. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : Wear respiratory protection. |
| Environmental exposure controls | : Avoid release to the environment. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Color | : Mixture contains one or more component(s) which have the following colour(s): Colourless Colourless to light yellow Light yellow White Colourless to white Pure substance: white Unpurified: coloured Dark grey to black |
| Odor | : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Fruity odour Pleasant odour Aromatic odour Mild odour Ether-like odour Petroleum-like odour Sweet odour Characteristic odour Strong odour Almost odourless Odourless |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : 122 - 290 °C 251.6 - 554 °F |
| Flash point | : 26 °C 78.8 °F |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : 1 - 7.6 vol % |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|---------------------------------|---|
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific gravity / density | : 1 - 1.6 g/cm ³ |
| Solubility | : Water: Solubility in water of component(s) of the mixture : • n-butyl acetate: 0.53 g/100ml (20 °C) • ethyl 3-ethoxypropionate: 9 g/100ml • xylene, mixture of isomers: < 0.02 g/100ml • 2-methoxy-1-methylethyl acetate: 19.8 g/100ml (20 °C, soluble) • ethylbenzene: 0.02 g/100ml • bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebecate: insoluble • : > 10 g/100ml (20 °C, Complete) • 2,4-pentanedione: 17 g/100ml • dibutyltin dilaurate: g/100ml (20 °C) 1.43E-4 • Stoddard solvent: insoluble • 2-(2-methoxyethoxy)ethanol: (20 °C, Complete) • 1-methoxy-2-propanol: > 10 g/100ml (20 °C, Complete) • 2-phenoxyethanol: 2.7 g/100ml • dichlorodimethylsilane, reaction products with silica: insoluble • quartz, conc respirable crystalline silica >=10%: insoluble • trizinc bis(orthophosphate): < 0.1 g/100ml • titanium(IV) oxide: 0.15 g/100ml • carbon black: < 0.01 g/100ml |
| Log Pow | : No data available |
| Auto-ignition temperature | : 407.2 °C 765 °F |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

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 : Not classified

| xylene, mixture of isomers (1330-20-7) | |
|---|---|
| LD50 oral rat | 3523 - 8600 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 3523 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; >4000 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value) |
| LD50 dermal rabbit | > 4200 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity) |
| LC50 inhalation rat (mg/l) | 29 mg/l/4h (Rat; Experimental value; 27.57 mg/l/4h; Rat; Experimental value) |
| ATE US (oral) | 3523.000 mg/kg body weight |
| ATE US (dermal) | 1100.000 mg/kg body weight |
| ATE US (vapors) | 29.000 mg/l/4h |
| ATE US (dust, mist) | 1.500 mg/l/4h |
| n-butyl acetate (123-86-4) | |
| LD50 oral rat | 10760 - 12789 mg/kg body weight (Rat; Equivalent or similar to OECD 423; Experimental value) |

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| n-butyl acetate (123-86-4) | |
|-----------------------------------|---|
| LD50 dermal rabbit | 14112 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402) |
| ATE US (oral) | 10760.000 mg/kg body weight |
| ATE US (dermal) | 14112.000 mg/kg body weight |

| ethylbenzene (100-41-4) | |
|--------------------------------|--|
| LD50 oral rat | 3500 mg/kg (Rat; Other; Experimental value) |
| LD50 dermal rabbit | 15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value) |
| LC50 inhalation rat (mg/l) | 17.8 mg/l/4h (Rat; Literature study) |
| LC50 inhalation rat (ppm) | 4000 ppm/4h (Rat; Literature study) |
| ATE US (oral) | 3500.000 mg/kg body weight |
| ATE US (dermal) | 15415.000 mg/kg body weight |
| ATE US (gases) | 4000.000 ppmV/4h |
| ATE US (vapors) | 17.800 mg/l/4h |
| ATE US (dust, mist) | 1.500 mg/l/4h |

| quartz, conc respirable crystalline silica>=10% (14808-60-7) | |
|--|--------------|
| LD50 oral rat | > 5000 mg/kg |

| titanium(IV) oxide (13463-67-7) | |
|--|---|
| LD50 oral rat | > 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rabbit | > 10000 mg/kg (Rabbit; Literature study) |
| LC50 inhalation rat (mg/l) | > 6.8 mg/l/4h (Rat; Experimental value) |

| carbon black (1333-86-4) | |
|---------------------------------|---|
| LD50 oral rat | > 8000 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value) |
| LD50 dermal rabbit | > 3000 mg/kg (Rabbit) |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer.

| xylene, mixture of isomers (1330-20-7) | |
|---|----------------------|
| IARC group | 3 - Not Classifiable |

| ethylbenzene (100-41-4) | |
|--------------------------------|--------------------------------------|
| IARC group | 2B - Possibly Carcinogenic to Humans |

| quartz, conc respirable crystalline silica>=10% (14808-60-7) | |
|--|----------------------------|
| IARC group | 1 - Carcinogenic to Humans |

| titanium(IV) oxide (13463-67-7) | |
|--|--------------------------------------|
| IARC group | 2B - Possibly Carcinogenic to Humans |

| carbon black (1333-86-4) | |
|---------------------------------|--------------------------------------|
| IARC group | 2B - Possibly Carcinogenic to Humans |

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| n-butyl acetate (123-86-4) | |
|--|--|
| LC50 fish 1 | 18 mg/l (LC50; Equivalent or similar to OECD 203; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value) |
| EC50 Daphnia 1 | 44 mg/l (EC50; Other; 48 h; Daphnia sp.; Static system; Fresh water; Experimental value) |
| Threshold limit algae 1 | 674.7 mg/l (EC50; Other; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value) |
| Threshold limit algae 2 | 200 mg/l (NOEC; Other; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value) |
| ethylbenzene (100-41-4) | |
| LC50 fish 2 | 4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value) |
| quartz, conc respirable crystalline silica>=10% (14808-60-7) | |
| LC50 fish 1 | > 500 mg/l |
| EC50 Daphnia 1 | > 300 mg/l |
| titanium(IV) oxide (13463-67-7) | |
| EC50 Daphnia 1 | > 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence) |
| Threshold limit algae 1 | 61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value) |
| carbon black (1333-86-4) | |
| LC50 fish 1 | > 1000 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio) |
| EC50 Daphnia 1 | > 5600 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 24 h; Daphnia magna; Static system; Fresh water) |
| LC50 fish 2 | 1000 mg/l (LC0; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value) |
| Threshold limit algae 1 | > 10000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value) |

12.2. Persistence and degradability

| xylylene, mixture of isomers (1330-20-7) | |
|--|---|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photolysis in the air. |
| n-butyl acetate (123-86-4) | |
| Persistence and degradability | Readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air. |
| ThOD | 2.21 g O ₂ /g substance |
| BOD (% of ThOD) | 0.46 |
| ethylbenzene (100-41-4) | |
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil. |
| Biochemical oxygen demand (BOD) | 1.44 g O ₂ /g substance (20d.) |
| Chemical oxygen demand (COD) | 2.1 g O ₂ /g substance |
| ThOD | 3.17 g O ₂ /g substance |
| BOD (% of ThOD) | 45.4 (20 days) |
| quartz, conc respirable crystalline silica>=10% (14808-60-7) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| titanium(IV) oxide (13463-67-7) | |
| Persistence and degradability | Biodegradability: not applicable. Low potential for mobility in soil. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| carbon black (1333-86-4) | |
|---------------------------------|--|
| Persistence and degradability | Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil. |
| ThOD | Not applicable |

12.3. Bioaccumulative potential

| xylene, mixture of isomers (1330-20-7) | |
|---|--|
| BCF fish 2 | 7 - 26 (BCF; 8 weeks; Oncorhynchus mykiss; Flow-through system; Fresh water) |
| Log Pow | 3.2 (Conclusion by analogy; 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

| n-butyl acetate (123-86-4) | |
|-----------------------------------|--|
| BCF fish 1 | 15.3 (BCF) |
| Log Pow | 2.3 (Test data; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| ethylbenzene (100-41-4) | |
|--------------------------------|--|
| BCF fish 1 | 1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study) |
| BCF fish 2 | 15 - 79 (BCF) |
| BCF other aquatic organisms 1 | 4.68 (BCF) |
| Log Pow | 3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

| titanium(IV) oxide (13463-67-7) | |
|--|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |

| carbon black (1333-86-4) | |
|---------------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

| xylene, mixture of isomers (1330-20-7) | |
|---|---|
| Ecology - soil | May be harmful to plant growth, blooming and fruit formation. |

| n-butyl acetate (123-86-4) | |
|-----------------------------------|---|
| Surface tension | 0.0163 N/m (20 °C) |
| Log Koc | log Koc, SRC PCKOCWIN v2.0; 1.268/1.844; QSAR |

| ethylbenzene (100-41-4) | |
|--------------------------------|---|
| Surface tension | 0.029 N/m |
| Log Koc | log Koc, PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value |

| carbon black (1333-86-4) | |
|---------------------------------|--|
| Ecology - soil | Not toxic to plants. Not toxic to animals. |

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

UN-No.(DOT) : UN1263

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Proper Shipping Name (DOT) : Paint
including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx) : 173

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons)
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F)
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded

Emergency Response Guide (ERG) Number : 128

Other information : No supplementary information available.

TDG

Transport document description : UN1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass), 3, III

UN-No. (TDG) : UN1263

TDG Proper Shipping Name : PAINT

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group : III - Minor Danger

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|---|--|
| TDG Special Provisions | : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass), 142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a) "PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material; (b) "PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c) "PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d) "PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material. SOR/2014-306 |
| Explosive Limit and Limited Quantity Index | : 5 L |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 60 L |

Transport by sea

| | |
|-----------------------------|--|
| UN-No. (IMDG) | : 1263 |
| Proper Shipping Name (IMDG) | : PAINT |
| Class (IMDG) | : 3 - Flammable liquids |
| Packing group (IMDG) | : III - substances presenting low danger |

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

| | |
|---|---|
| xylene, mixture of isomers (1330-20-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Listed on SARA Section 313 (Specific toxic chemical listings) | |
| CERCLA RQ | 100 lb |
| n-butyl acetate (123-86-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Not listed on SARA Section 313 (Specific toxic chemical listings) | |
| CERCLA RQ | 5000 lb |
| ethylbenzene (100-41-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Listed on SARA Section 313 (Specific toxic chemical listings) | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA |
| CERCLA RQ | 1000 lb |
| quartz, conc respirable crystalline silica >=10% (14808-60-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| titanium(IV) oxide (13463-67-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| carbon black (1333-86-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| |
|--|
| ethylbenzene (100-41-4) |
| Listed on IARC (International Agency for Research on Cancer) |
| quartz, conc respirable crystalline silica>=10% (14808-60-7) |
| Listed on IARC (International Agency for Research on Cancer) |
| titanium(IV) oxide (13463-67-7) |
| Listed on IARC (International Agency for Research on Cancer) |
| carbon black (1333-86-4) |
| Listed on IARC (International Agency for Research on Cancer) |

15.3. US State regulations

| ethylbenzene (100-41-4) | | | | |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes | No | No | No | 54 |

| carbon black (1333-86-4) | | | | |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes | No | No | No | |

| xylene, mixture of isomers (1330-20-7) |
|---|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |

| n-butyl acetate (123-86-4) |
|---|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |

| ethylbenzene (100-41-4) |
|---|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |

| quartz, conc respirable crystalline silica>=10% (14808-60-7) |
|--|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

| titanium(IV) oxide (13463-67-7) |
|--|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

| carbon black (1333-86-4) |
|--|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

SECTION 16: Other information

EXCEL D2M SOLID COLORS (LF) LEAD FREE - GENERIC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

| | |
|------|---|
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H332 | Harmful if inhaled |
| H336 | May cause drowsiness or dizziness |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H373 | May cause damage to organs through prolonged or repeated exposure |

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