

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 12/01/2015 Version: 1.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

## : PDC® F-874 MURACULON [low voc] C4 BLUE

Product name Product form

: Mixture

Product code : F874154C4

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

#### 1.3. Details of the supplier of the safety data sheet

Plasti Dip International, Inc. 3920 Pheasant Ridge Drive Blaine, MN 55449 Phone - (763) 785-2156

#### 1.4. Emergency telephone number

Emergency number

: CHEMTREC: 1-800-424-9300 (US); 703-527-3887 (International)

#### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

#### GHS-US classification

Flam. Liq. 2 H225 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 Carc. 2 H351 Repr. 2 H361 STOT SE 3 H336 STOT RE 1 H372 Asp. Tox. 1 H304

#### 2.2. Label elements

#### **GHS-US** labelling

Signal word (GHS-US) Hazard statements (GHS-US)

Hazard pictograms (GHS-US)

Precautionary statements (GHS-US)

:				
	GHS02	GHS07	GHS08	
:	Danger			
<ul> <li>H225 - Highly flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer H361 - Suspected of damaging fertility or the unborn child H372 - Causes damage to organs through prolonged or repeated exposure</li> <li>P201 - Obtain special instructions before use</li> </ul>				
	: P201 - Obtain sp	pecial instruction	s before use	

- P202 Do not handle until all safety precautions have been read and understood
- P210 Keep away from heat, open flames, sparks. No smoking
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof ventilating equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P260 Do not breathe mist, vapours

BLUE

- P264 Wash hands, forearms and face thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P272 Contaminated work clothing must not be allowed out of the workplace
- P280 Wear eye protection, face protection, protective clothing, protective gloves
- P301+P310 IF SWALLOWED: Immediately call a doctor, a POISON CENTER
- 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

Page 1

Safety Data Sheet

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

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 P312 - Call a doctor, a POISON CENTER if you feel unwell P314 - Get medical advice/attention if you feel unwell P314 - Get medical advice/attention if you feel unwell P321 - Specific treatment (see Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work on this label) P331 - Do NOT induce vomiting P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, foam to extinguish

P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool P405 - Store locked up

P501 - Dispose of contents/container to licensed waste handling facility

### 2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

#### **SECTION 3: Composition/information on ingredients**

3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%
Acetone	(CAS No) 67-64-1	30 - 60
Methyl ethyl ketone	(CAS No) 78-93-3	7 - 13
Toluene	(CAS No) 108-88-3	7 - 13
Xylenes (o-, m-, p- isomers)	(CAS No) 1330-20-7	1 - 5
Ethylbenzene	(CAS No) 100-41-4	0.1 - 1
Silica, amorphous, fumed, crystalline-free	(CAS No) 112945-52-5	0.1 - 1
Stoddard solvent	(CAS No) 8052-41-3	0.1 - 1
Titanium dioxide	(CAS No) 13463-67-7	0.1 - 1
Sodium metabisulfite	(CAS No) 7681-57-4	< 0.1
Sodium lauryl sulfate	(CAS No) 151-21-3	< 0.1
Methyl ethyl ketoxime	(CAS No) 96-29-7	< 0.1

### SECTION 4: First aid measures

4.1. Description of first aid measures		
First-aid measures general	<ul> <li>If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.</li> </ul>	
First-aid measures after inhalation	<ul> <li>IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.</li> </ul>	
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.	
First-aid measures after eye contact	<ul> <li>IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.</li> </ul>	
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.	
4.2. Most important symptoms and e	ffects, both acute and delayed	
Symptoms/injuries	May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.	
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.	
Symptoms/injuries after skin contact	: Causes skin irritation.	
Symptoms/injuries after eye contact	Causes serious eye irritation.	
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.	
Chronic symptoms	<ul> <li>Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.</li> </ul>	

Safety Data Sheet

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

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

No additional information available.

SECTION 5: Firefighting measures		
5.1.	Extinguishing media	
Suitable extinguishing media		: Carbon dioxide. Dry powder. Foam. Water spray. Sand.
5.2.	Special hazards arising from	n the substance or mixture
Fire ha	zard	: Highly flammable liquid and vapour.
Explos	ion hazard	: Heating may cause an explosion.
Reactiv	vity	: No dangerous reactions known under normal conditions of use.
5.3.	Advice for firefighters	
Precau	tionary measures fire	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Firefigh	ting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protection during firefighting		: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).

#### **SECTION 6: Accidental release measures** 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). 6.1.1. For non-emergency personnel Protective equipment : Wear Protective equipment as described in Section 8. : Evacuate unnecessary personnel. Emergency procedures 6.1.2. For emergency responders Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency. 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. Prevent entry to sewers and public waters.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Exclude sources of ignition and ventilate the area. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 6.4. Reference to other sections

See Sections 8 and 13.

### **SECTION 7: Handling and storage**

7.1.	Precautions for safe handling	
Precautions for safe handling		Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from sources of ignition - No smoking.
7.2.	2. Conditions for safe storage, including any incompatibilities	
Storag	e conditions	: Keep the container tightly closed. Store in a dry, cool and well-ventilated place. Keep away from ignition sources.
Storag	e temperature	: <49 °C (<120 °F)

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Acetone (67-64-1)	
ACGIH TWA (ppm)	500
ACGIH STEL (ppm)	750
OSHA PEL (TWA) (mg/m <sup>3</sup> )	2400
OSHA PEL (TWA) (ppm)	1000

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

OSHA PEL (STEL) (mg/m²)         2400 (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors)           OSHA PEL (STEL) (ppm)         1000           Methyl ethyl ethone (78-93-3)	Acetone (67-64-1)	
cellulose acetate fiber industry. It is in effect for all other sectors)           OSHA PEL (STEL) (ppm)         1000           Methyl ethyl ketone (78-83-3)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         200           OSHA PEL (TWA) (mg/m²)         590           OSHA PEL (TWA) (ppm)         200           OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (mg/m²)         300           Toluene (108-88-3)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium neuryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Remark (ACGIH)         00           ACGIH TWA (ppm)         100           OSHA PEL (TWA) (ppm)         150		
other sectors)           OSHA PEL (STEL) (ppm)           1000           Methyl ethyl ketone (78-93-3)           ACGIH TWA (ppm)           200           ACGIH STEL (ppm)           300           OSHA PEL (TWA) (mg/m³)           590           OSHA PEL (STEL) (mg/m²)           300           Toluene (108-88-3)           ACGIH TWA (ppm)           20           Remark (ACGIH)           Visual impair; female repro;           Sodium metabisulfite (7681-57-4)           ACGIH TWA (mg/m²)           5           Sodium lauryl sulfate (151-21-3)           Remark (ACGIH)           Remark (ACGIH)           OELs not established           Remark (ACGIH)           OELs not established           Xylenes (o., m., p. isomers) (1330-20-7)           ACGIH TWA (ppm)           100           ACGIH TWA (ppm)           1010           ACGIH TWA (ppm)           102           CBA PEL (TWA) (ppm)           103           OSHA PEL (TWA) (ppm)           104           ACGIH TWA (ppm)           1050           OSHA PEL (TWA) (mg/m²) </td <td>OSHA PEL (STEL) (mg/m<sup>3</sup>)</td> <td></td>	OSHA PEL (STEL) (mg/m <sup>3</sup> )	
OSHA PEL (STEL) (ppm)         1000           Methyl ethol (Reon (78-93-3)         200           ACGIH TWA (ppm)         200           OSHA PEL (TWA) (mg/m³)         590           OSHA PEL (TWA) (mg/m³)         685           OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m³)         685           OSHA PEL (STEL) (mg/m³)         885           OSIum Iauryl sulfate (561-57-4)         200           ACGIH TWA (mg/m³)         5           OSHA PEL (TWA) (mg/m³)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Xylence (o., m., p- isomers) (130-20-7)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         100           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100		
Methyl etatone (78-93-3)           ACGIH TWA (ppm)         200           ACGIH STEL (ppm)         300           OSHA PEL (TWA) (mg/m²)         590           OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (mg/m²)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulfite (7681-57-4)            ACGIH TWA (mg/m²)         5           Sodium metabisulfite (7681-57-4)            ACGIH TWA (mg/m²)         5           Sodium metabisulfite (7681-57-4)            ACGIH TWA (mg/m²)         5           Sodium mary sulfate (151-21-3)            Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Xylenes (o-, m-, p- isomers) (130-20-7)            ACGIH TWA (ppm)         100           ACGIH TWA (ppm)         100           ACGIH TWA (ppm)         100           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (mg/m²)         655           OSHA PEL (TWA) (mg/m²		,
ACGH TWA (ppm)         200           ACGH STEL (ppm)         300           OSHA PEL (TWA) (mg/m³)         590           OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m³)         885           Sodium relabisulfie (7681-57-4)         ACGIH TWA (mg/m³)           ACGIH TWA (mg/m³)         5           Sodium lauryl suifate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Remark (ACGIH TWA (mg/m³)         150           OSHA PEL (TWA) (mg/m³)         150           OSHA PEL (TWA) (mg/m³)         655           OSHA PEL (TWA) (mg/m³)         655           OSHA PEL (TWA) (mg/m³)         655           OSHA PEL (STEL) (mg/m³)         655           OSHA PEL (TWA) (mg/m³)         655           OSHA PEL (STEL) (mg/m³)         100	OSHA PEL (STEL) (ppm)	1000
ACGIH STEL (ppm)         300           OSHA PEL (TWA) (mg/m²)         590           OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (ppm)         300           Toluene (108-88-3)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulfite (7681-57-4)         ACGIH TWA (mg/m²)           ACGIH TWA (mg/m²)         5           OSHA PEL (TWA) (mg/m²)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Xylens (or, m, p- isomers) (1330-20-7)         ACGIH TWA (ng/m²)           ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (ng/m²)         655           OSHA PEL (TWA) (ng/m²)         655           OSHA PEL (STEL) (ppm)         100           OSHA PEL (TWA) (ng/m²)         435           OSHA PEL (STEL) (ppm)         100           OSHA PEL (TWA) (ppm)         20           Remark (ACGIH)	Methyl ethyl ketone (78-93-3)	
OSHA PEL (TWA) (mg/m²)         590           OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m²)         885           OSHA PEL (STEL) (ppm)         300           Toluene (108-88-3)         .           ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulfite (7681-57-4)         .           ACGIH TWA (mg/m²)         5           Sodium lauryl sulfate (151-21-3)         .           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Remark (ACGIH)         100           ACGIH TWA (ppm)         100           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (mg/m²)         655           OSHA PEL (STEL) (ppm)         100           OSHA PEL (STEL) (ppm)         100           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         .           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory		200
OSHA PEL (TWA) (ppm)         200           OSHA PEL (STEL) (mg/m³)         885           OSHA PEL (STEL) (ppm)         300           Toluene (108-88-3)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulifite (7681-57-4)         ACGIH TWA (ng/m³)           ACGIH TWA (ng/m³)         5           OSHA PEL (TWA) (mg/m³)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Xylenes (o-, m-, p- isomers) (1330-20-7)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         Upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         545           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm) <td>ACGIH STEL (ppm)</td> <td>300</td>	ACGIH STEL (ppm)	300
OSHA PEL (STEL) (mg/m³)         885           OSHA PEL (STEL) (ppm)         300           Toluene (108-88-3)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACCIH)         Visual impair; female repro;           Sodium metabisufite (7681-57-4)         ACGIH TWA (mg/m²)           ACGIH TWA (mg/m²)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACCIH)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Remark (OSHA)         OELs not established           Remark (OSHA)         OELs not established           Remark (DSHA)         OELs not established           Remark (SHA)         OELs not established           Remark (MQPm)         100           ACGIH TWA (ppm)         100           OSHA PEL (TWA) (mg/m³)         655           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         545           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm) </td <td>OSHA PEL (TWA) (mg/m<sup>3</sup>)</td> <td>590</td>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	590
OSHA PEL (STEL) (mg/m³)         885           OSHA PEL (STEL) (ppm)         300           Toluene (108-88-3)         20           ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulfite (7681-57-4)         ACGIH TWA (mg/m²)           ACGIH TWA (mg/m²)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Xylenes (or, m-, p- isomers) (1330-20-7)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         545           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)	OSHA PEL (TWA) (ppm)	200
OSHA PEL (STEL) (ppm)         300           Toluene (108-88-3)         ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;         Sodium metabisulfite (7681-57-4)           ACGIH TWA (mg/m³)         5         5           Sodium metabisulfite (7681-57-4)         ACGIH TWA (mg/m³)         5           Sodium natapisulfite (151-21-3)         Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established         Nemark (ACGIH)           Remark (OSHA)         OELs not established         Nemark (ACGIH)           ACGIH TWA (ppm)         100         ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m³)         435         OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100         OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)         20         Remark (ACGIH)           ACGIH TWA (ppm)         20         Remark (ACGIH)         Upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         545         OSHA PEL (STEL) (ppm)         100           OSHA PEL (STEL) (ppm)         100         OSHA PEL (STEL) (ppm)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5) <td></td> <td>885</td>		885
Toluene (108-88-3)           ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulfite (7681-57-4)            ACGIH TWA (mg/m³)         5           Sodium metabisulfite (7681-57-4)            ACGIH TWA (mg/m³)         5           Sodium lauryl sulfate (151-21-3)            Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Xylenes (o-, m, p- isomers) (1330-20-7)            ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)            ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         545           OSHA PEL (STEL) (ppm)         100           OSHA PEL (STEL) (ppm)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5)           Remark (ACGIH)	OSHA PEL (STEL) (ppm)	300
ACGIH TWA (ppm)         20           Remark (ACGIH)         Visual impair; female repro;           Sodium metabisulfite (7681-57-4)         5           ACGIH TWA (mg/m²)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established           Remark (ACGIH)         100           ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (ppm)         150           CITH WA (ppm)         100           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (ppm)         125           Silica,		
Remark (ACGIH)       Visual impair; female repro;         Sodium metabisulfite (7681-57-4)       ACGIH TWA (mg/m³)         ACGIH TWA (mg/m³)       5         Sodium lauryl sulfate (151-21-3)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         Remark (ACGIH)       OELs not established         Xylenes (o-, m-, p- isomers) (1330-20-7)       ACGIH TWA (ppm)         ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm) <t< td=""><td></td><td>20</td></t<>		20
Sodium metabisulfite (7681-57-4)         ACGIH TWA (mg/m³)       5         OSHA PEL (TWA) (mg/m³)       5         Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Xylenes (or, m, p. isomers) (130-20-7)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       100         ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (ACGIH)		
ACGIH TWA (mg/m³)         5           OSHA PEL (TWA) (mg/m²)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Xylenes (or, mr, p- isomers) (130-20-7)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m²)         655           OSHA PEL (STEL) (mg/m²)         655           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m²)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m²)         545           OSHA PEL (TWA) (ppm)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5)           Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not est		visuai impair; remaie repro;
OSHA PEL (TWA) (mg/m³)         5           Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Xylenes (o-, m-, p- isomers) (1330-20-7)         ACGIH TWA (ppm)           ACGIH STEL (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m³)         655           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         100           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5)           Remark (ACGIH)         OELs not established           Remark (ACGIH) <td< td=""><td></td><td>1</td></td<>		1
Sodium lauryl sulfate (151-21-3)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Xylenes (o-, m-, p- isomers) (1330-20-7)       ACGIH TWA (ppm)         ACGIH STEL (ppm)       100         ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         Remark (ACGIH)       OELs		5
Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Xylenes (o-, m-, p- isomers) (1330-20-7)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       100         ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m <sup>3</sup> )       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m <sup>3</sup> )       655         OSHA PEL (STEL) (mg/m <sup>3</sup> )       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m <sup>3</sup> )       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m <sup>3</sup> )       545         OSHA PEL (STEL) (mg/m <sup>3</sup> )       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         Remark (ACGIH)       OELs not established         Silica, amor	OSHA PEL (TWA) (mg/m³)	5
Remark (OSHA)         OELs not established           Xylenes (o-, m-, p- isomers) (1330-20-7)         ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150         OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         435         OSHA PEL (STEL) (mg/m³)         655           OSHA PEL (STEL) (mg/m³)         655         OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         20         Remark (ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (mg/m³)         435         OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m³)         545         OSHA PEL (STEL) (mg/m³)         545           OSHA PEL (STEL) (mg/m³)         545         OSHA PEL (STEL) (ppm)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)         OELs not established           Remark (ACGIH)         OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)         OELs not established           Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)         OELs not established         OSHA PEL (TWA) (mg/m³)         6	Sodium lauryl sulfate (151-21-3)	
Xylenes (o-, m-, p- isomers) (1330-20-7)           ACGIH TWA (ppm)         100           ACGIH STEL (ppm)         150           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m³)         655           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (TWA) (ppm)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           OSHA PEL (TWA) (mg/m³)         6	Remark (ACGIH)	OELs not established
ACGIH TWA (ppm)       100         ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       655         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	Remark (OSHA)	OELs not established
ACGIH TWA (ppm)       100         ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	Xulonos (0, m, n, isomore) (1330-20-7)	
ACGIH STEL (ppm)       150         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       655         OSHA PEL (STEL) (ppm)       150         Ethylbenzene (100-41-4)       ACGIH TWA (ppm)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)       Remark (ACGIH)         Remark (OSHA)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6		100
OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m³)         655           OSHA PEL (STEL) (ppm)         150           Ethylbenzene (100-41-4)         ACGIH TWA (ppm)           ACGIH TWA (ppm)         20           Remark (ACGIH)         upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment           OSHA PEL (TWA) (mg/m³)         435           OSHA PEL (TWA) (ppm)         100           OSHA PEL (STEL) (mg/m³)         545           OSHA PEL (STEL) (mg/m³)         545           OSHA PEL (STEL) (ppm)         125           Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           Remark (OSHA)         OELs not established           Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)           Remark (ACGIH)         OELs not established           OSHA PEL (TWA) (mg/m³)         6		
OSHA PEL (TWA) (ppm)100OSHA PEL (STEL) (mg/m³)655OSHA PEL (STEL) (ppm)150Ethylbenzene (100-41-4)20ACGIH TWA (ppm)20Remark (ACGIH)upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairmentOSHA PEL (TWA) (mg/m³)435OSHA PEL (TWA) (ppm)100OSHA PEL (STEL) (mg/m³)545OSHA PEL (STEL) (mg/m³)545OSHA PEL (STEL) (ppm)125Silica, amorphous, fumed, crystalline-free (112945-52-5)Remark (ACGIH)OELs not establishedRemark (OSHA)OELs not establishedSilica, amorphous, precipitated and gel (112926-00-8)Remark (ACGIH)OELs not establishedOSHA PEL (TWA) (mg/m³)6		
OSHA PEL (STEL) (mg/m³)655OSHA PEL (STEL) (ppm)150Ethylbenzene (100-41-4)150ACGIH TWA (ppm)20Remark (ACGIH)upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairmentOSHA PEL (TWA) (mg/m³)435OSHA PEL (TWA) (ppm)100OSHA PEL (STEL) (mg/m³)545OSHA PEL (STEL) (mg/m³)545OSHA PEL (STEL) (ppm)125Silica, amorphous, fumed, crystalline-free (112945-52-5)Remark (ACGIH)OELs not establishedRemark (OSHA)OELs not establishedSilica, amorphous, precipitated and gel (112926-00-8)Remark (ACGIH)OELs not establishedOSHA PEL (TWA) (mg/m³)6		435
OSHA PEL (STEL) (ppm)150Ethylbenzene (100-41-4)20ACGIH TWA (ppm)20Remark (ACGIH)upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairmentOSHA PEL (TWA) (mg/m³)435OSHA PEL (TWA) (ppm)100OSHA PEL (STEL) (mg/m³)545OSHA PEL (STEL) (ppm)125Silica, amorphous, fumed, crystalline-free (112945-52-5)Remark (ACGIH)OELs not establishedRemark (OSHA)OELs not establishedSilica, amorphous, precipitated and gel (112926-00-8)Remark (ACGIH)OELs not establishedSilica, amorphous, precipitated and gel (112926-00-8)Remark (ACGIH)OELs not establishedOSHA PEL (TWA) (mg/m³)6	OSHA PEL (TWA) (ppm)	100
Ethylbenzene (100-41-4)         ACGIH TWA (ppm)       20         Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	OSHA PEL (STEL) (mg/m³)	655
ACGIH TWA (ppm)20Remark (ACGIH)upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairmentOSHA PEL (TWA) (mg/m³)435OSHA PEL (TWA) (ppm)100OSHA PEL (STEL) (mg/m³)545OSHA PEL (STEL) (mg/m³)125Silica, amorphous, fumed, crystalline-free (112945-52-5)Remark (ACGIH)OELs not establishedRemark (OSHA)OELs not establishedSilica, amorphous, precipitated and gel (112926-00-8)Remark (ACGIH)OELs not establishedOSHA PEL (TWA) (mg/m³)6	OSHA PEL (STEL) (ppm)	150
Remark (ACGIH)       upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	•	
(nephropathy); cochlear impairment         OSHA PEL (TWA) (mg/m³)         435         OSHA PEL (TWA) (ppm)         100         OSHA PEL (STEL) (mg/m³)         545         OSHA PEL (STEL) (ppm)         125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	ACGIH TWA (ppm)	20
OSHA PEL (TWA) (mg/m³)       435         OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	Remark (ACGIH)	
OSHA PEL (TWA) (ppm)       100         OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6	OSHA PEL (TWA) (mo/m <sup>3</sup> )	
OSHA PEL (STEL) (mg/m³)       545         OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)       Remark (ACGIH)         Remark (ACGIH)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)       Remark (ACGIH)         Silica, amorphous, precipitated and gel (112926-00-8)       Remark (ACGIH)         OELs not established       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)       Remark (ACGIH)         OELs not established       OELs not established         OSHA PEL (TWA) (mg/m³)       6		
OSHA PEL (STEL) (ppm)       125         Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6         Methyl ethyl ketoxime (96-29-7)		
Silica, amorphous, fumed, crystalline-free (112945-52-5)         Remark (ACGIH)       OELs not established         Remark (OSHA)       OELs not established         Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6         Methyl ethyl ketoxime (96-29-7)		
Remark (ACGIH)     OELs not established       Remark (OSHA)     OELs not established       Silica, amorphous, precipitated and gel (112926-00-8)       Remark (ACGIH)     OELs not established       OSHA PEL (TWA) (mg/m³)     6       Methyl ethyl ketoxime (96-29-7)		
Remark (OSHA)     OELs not established       Silica, amorphous, precipitated and gel (112926-00-8)     OELs not established       Remark (ACGIH)     OELs not established       OSHA PEL (TWA) (mg/m³)     6       Methyl ethyl ketoxime (96-29-7)		,
Silica, amorphous, precipitated and gel (112926-00-8)         Remark (ACGIH)       OELs not established         OSHA PEL (TWA) (mg/m³)       6         Methyl ethyl ketoxime (96-29-7)		
Remark (ACGIH)     OELs not established       OSHA PEL (TWA) (mg/m³)     6       Methyl ethyl ketoxime (96-29-7)		
OSHA PEL (TWA) (mg/m <sup>3</sup> ) 6 Methyl ethyl ketoxime (96-29-7)		-
Methyl ethyl ketoxime (96-29-7)		
		OFI a pat astablished
Remark (ACGIH)     OELs not established		
Remark (OSHA)     OELs not established	Kemark (USHA)	UELS NOT ESTADIISNED
Stoddard solvent (8052-41-3)	Stoddard solvent (8052-41-3)	
ACGIH TWA (ppm) 100		100
Remark (ACGIH) CNS impairment; Eye, skin, and kidney damage; nausea	Remark (ACGIH)	
OSHA PEL (TWA) (mg/m <sup>3</sup> ) 2900	OSHA PEL (TWA) (mg/m <sup>3</sup> )	
OSHA PEL (TWA) (ppm) 500	OSHA PEL (TWA) (ppm)	500

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

Titanium dioxide (13463-67-7)	
ACGIH TWA (mg/m <sup>3</sup> )	10
OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 total dust

### 8

	OSHA PEL (TWA) (mg/m <sup>3</sup> )		15 total dust		
8.2. Expo	sure controls			J	
Appropriate engineering controls		ventilation, or other exposure limits. Use	Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.		
Personal protect	ctive equipment	: Gloves. Protective g protection.	poggles. Protective clothing. Insufficient ventilation: wear res	piratory	
Hand protection	n	occur. Gloves shoul materials are: Neor PVC or vinyl. Chang	ally resistant to this material when prolonged or repeated co d be classified under Standard EN 374 or ASTM F1296. Su prene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alc ge contaminated gloves immediately. Suitable gloves for th ecommended by the glove supplier.	iggested glove ohol laminate,	
Eye protection			<ul> <li>n, including chemical splash goggles and a face shield wher ct due to spraying liquid or airborne particles.</li> </ul>	ı possibility	
Skin and body	protection	: Wear long sleeves,	and chemically impervious PPE/coveralls to minimize bodily	y exposure.	
Respiratory pro	tection	mode with emergen of vapors, use suita air-supplied respirat	roved (or equivalent) full-facepiece airline respirator in the p cy escape provisions. In case of inadequate ventilation or r ble respiratory equipment with gas filter (type A2). Use a pc or if there is any potential for an uncontrolled release, expo ther circumstances where air-purifying respirators may not	isk of inhalation sitive-pressure sure levels are	

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Color	: Blue
Odor	: Characteristic. Solvent.
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: >1
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 56.1 - 137.2 °C (133 - 279 °F)
Flash point	: -20 °C (-4 °F) (TCC)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 185 mm Hg 20 °C (68°F)
Relative vapour density at 20 °C	: (Heavier than Air)
Relative density	: 0.89 (H <sub>2</sub> O = 1)
Solubility	: Water: Slight
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 16 vol %
9.2. Other information	
VOC content	: 71.73 % (1.83 LBS/GAL)

### Safety Data Sheet

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

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Ignition sources. Heat. Sparks. Open flame. Static electricity.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Hydrogen Chloride. Organic hydrocarbons.

SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity	: Not classified			
Skin corrosion/irritation	: Causes skin irritation.			
Serious eye damage/irritation	: Causes serious eye irritation.			
Respiratory or skin sensitisation	: May cause an allergic skin reaction.			
Germ cell mutagenicity	: Not classified.			
Carcinogenicity	: Suspected of causing cancer.			
Ethylbenzene (100-41-4)				
IARC group	2B - Possibly carcinogenic to humans			
Benzene (71-43-2)				
IARC group	1 - Carcinogenic to humans			
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens			
Vinyl acetate (108-05-4)				
IARC group	2B - Possibly carcinogenic to humans			
Vinyl chloride (75-01-4)				
IARC group	1 - Carcinogenic to humans			
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens			
Titanium dioxide (13463-67-7)				
IARC group	2B - Possibly carcinogenic to humans			
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.			
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.			
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure.			
Aspiration hazard : May be fatal if swallowed and enters airways.				
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.			
Symptoms/injuries after skin contact	: Causes skin irritation.			
Symptoms/injuries after eye contact	: Causes serious eye irritation.			
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.			
Chronic symptoms	: Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.			

### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general

: No information available.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

12/01/2015

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

12.5. Other adverse effects	· No dete available		
Other adverse effects	: No data available.		
SECTION 13: Disposal consideration	IS		
13.1. Waste treatment methods			
Waste treatment methods	: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.		
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.		
SECTION 14: Transport information			
In accordance with DOT			
Transport document description	: UN1139 Coating solution (Contains: Acetone; Methyl ethyl ketone), 3, II		
UN-No.(DOT)	: 1139		
DOT NA no.	: UN1139		
Proper Shipping Name (DOT)	: Coating solution		
	(Contains: Acetone; Methyl ethyl ketone)		
Transport hazard class(es) (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120		
Hazard labels (DOT)	: 3 - Flammable liquid		
Packing group (DOT)	: II - Medium Danger		
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L		
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" or passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.		
Additional information			
Other information	: No supplementary information available.		
<b>Transport by sea</b> No additional information available <b>Air transport</b> No additional information available			
SECTION 15: Regulatory information			
15.1. US Federal regulations			
PDC® F-874 MURACULON [low voc] C4 BLU	E		
All the constituents of this preparation are regist	d in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory tered in the EINECS inventory or in the ELINCS list		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard		
Toluene (108-88-3)			
Section 302 (EHS) TPQ			
Section 304 EHS RQ			
	4000 lb		
CERCLA RQ	1000 lb		
Section 212	Listed on LIC CADA Castion 212		

Listed on US SARA Section 313

Section 313

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

Methyl ethyl ketone (78-93-3)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	5000	lb
Section 313	Not Listed on US SARA Section 313	
Acetone (67-64-1)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	5000	lb
Section 313	Not Listed on US SARA Section 313	
Xylenes (o-, m-, p- isomers) (1330-20-	7)	
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	100	lb
Section 313	Listed on US SARA Section 313	
Ethylbenzene (100-41-4)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	1000	lb
Section 313	Listed on US SARA Section 313	

**15.2. International regulations** No additional information available.

### 15.3. US State regulations

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Toluene (108-88-3)				
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	Maximum allowable dose level (MADL)
No	Yes	No	No	7000 µg/day
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	Non-significant risk level (NSRL)
Yes	No	No	No	54 (inhalation) 41 (oral) μg/day
Benzene (71-43-2)				
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) Maximum allowable dose level (MADL)
Yes	Yes	No	Yes	13 (inhalation) 6.4 (oral) μg/day 49 (inhalation) 24 (oral) μg/day
Methyl alcohol (67-56-	1)			
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	Maximum allowable dose level (MADL)
No	Yes	No	No	47,000 (inhalation) 23,000 (oral) μg/day

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

Vinyl chloride (75-01-4)				
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	Non-significant risk level (NSRL)
Yes	No	No	No	3 μg/day
Titanium dioxide (13463	3-67-7)			
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	Non-significant risk level (NSRL)
Yes	No	No	No	Not available
Acatoma (67.64.4)				
Acetone (67-64-1) U.S Massachusetts - R U.S New Jersey - Right U.S Pennsylvania - RT	t to Know Hazardous Substance	List		
Methyl ethyl ketone (78- U.S Massachusetts - R U.S New Jersey - Right U.S Pennsylvania - RT	ight To Know List t to Know Hazardous Substance	List		
Toluene (108-88-3)				
U.S Massachusetts - R U.S New Jersey - Right	t to Know Hazardous Substance K (Right to Know) - Environment			
Sodium metabisulfite (7	'681-57-4)			
U.S New Jersey - Right U.S Pennsylvania - RTI U.S Massachusetts - R		List		
Ethylbenzene (100-41-4	)			
U.S New Jersey - Right U.S Massachusetts - R	t to Know Hazardous Substance			
Benzene (71-43-2)				
U.S Massachusetts - R U.S New Jersey - Right U.S Pennsylvania - RT	ight To Know List t to Know Hazardous Substance K (Right to Know) - Special Haz K (Right to Know) - Environmen	ardous Substances		
Methyl alcohol (67-56-1)	)			
U.S Massachusetts - R U.S New Jersey - Right				
Vinyl acetate (108-05-4)				
	ight To Know List t to Know Hazardous Substance K (Right to Know) - Environmen			
Vinyl chloride (75-01-4)				
U.S Massachusetts - R U.S New Jersey - Right	ight To Know List t to Know Hazardous Substance K (Right to Know) - Environmen			
Polyvinyl chloride (9002	2-86-2)			

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

Silica, amorphous (7631-86-9)
U.S New Jersey - Right to Know Hazardous Substance List
U.S Massachusetts - Right To Know List
U.S Pennsylvania - RTK (Right to Know) List
Silica, amorphous, precipitated and gel (112926-00-8)
U.S New Jersey - Right to Know Hazardous Substance List
U.S Pennsylvania - RTK (Right to Know) List
U.S Massachusetts - Right To Know List
Stoddard solvent (8052-41-3)
U.S New Jersey - Right to Know Hazardous Substance List
U.S Massachusetts - Right To Know List
U.S Pennsylvania - RTK (Right to Know) List
Barium sulfate (7727-43-7)
U.S Massachusetts - Right To Know List
U.S Pennsylvania - RTK (Right to Know) List
U.S New Jersey - Right to Know Hazardous Substance List
Titanium dioxide (13463-67-7)
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
Alkoxylated Alcohol Derivative (Unknown CAS)
U.S State Right To Know List (Unknown)
Due to pigments may contain up to 3 Proprietary Non-Hazardous Ingredients (Proprietary CAS)

U.S. - State Right To Know List

SECTION 16: Other information	tion
Indication of changes	: Revision 1.0: New SDS Created.
Revision date	: 12/01/2015
Other information	: Author: NMR.
NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.
HMIS III Rating	
Health	: 3*
Flammability	: 4
Physical	: 1
Personal Protection	:

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