

# SAFETY DATA SHEET

Issuing Date 20-Jun-2023

Revision Date 20-Jun-2023

Revision Number 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Code(s)**

A 13Y 743

**Product Name**

Yellow Enamel

### **Component**

### Other means of identification

**Other Information**

This Safety Data Sheet complies with the requirements of the OSHA Hazard Communication Standard 2012 Final Rule. This product is intended for use by properly trained and qualified professionals after having familiarized themselves with this SDS and understand all hazards to themselves and the environment through a comprehensive training program according to the Hazard Communication Standard 29 CFR 1910.1200, and the Occupational Safety and Health adoption of the Global Harmonization Standard (GHS). Use of this product may present additional hazards, and no guarantee is implied that the hazards and necessary precautions listed in this document are the only ones present. Customers using this product are responsible for determining proper personal protection equipment according to the specific conditions, PPE listed are a minimum standard. This product is not intended for general public use.

### Recommended use of the chemical and restrictions on use

**Recommended Use**

Coatings.

**Uses advised against**

Restricted to professional users

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

#### **Manufacturer Address**

Kempen Paint Company  
2500 State Street  
East Carondelet, IL 62240  
(618) 286-5292

### Emergency telephone number

**24 Hour Emergency Phone Number** Chemtrec 1-800-424-9300 (chemical emergency of spill, leak, fire, exposure, or accident)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 2

### Label elements

#### **Danger**

#### **Hazard statements**

Causes skin irritation  
May cause an allergic skin reaction

May cause genetic defects  
 May cause cancer  
 Suspected of damaging fertility or the unborn child  
 May cause damage to organs through prolonged or repeated exposure  
 Highly flammable liquid and vapor



**Appearance** Paint

**Physical state** liquid

**Odor** Aromatic

#### Precautionary Statements

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating / lighting/ non-sparking/ equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

#### Precautionary Statements - Response

IF exposed: Call a POISON CENTER or doctor/physician  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 Wash contaminated clothing before reuse  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

#### Precautionary Statements - Storage

Store locked up  
 Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

May be harmful if swallowed Toxic to aquatic life with long lasting effects Toxic to aquatic life

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

Chemical Name	CAS No.	Weight-%
titanium dioxide	13463-67-7	20.7

xylene	1330-20-7	16.476
MAK	110-43-0	9.45
Barium sulfate	7727-43-7	6
ethylbenzene	100-41-4	3.6
silicon dioxide crystalline-free, chemically prepared	7631-86-9	1.38
n-butyl acetate	123-86-4	1.1028
Stoddard solvent	8052-41-3	0.1678
toluene	108-88-3	0.1
Omg ASA	96-29-7	0.1

## Chemical Additions

This product contains CAS # 136-52-7 Cobalt Carboxylate below the SARA 313 TRI reporting requirement of 1% but greater than .01% of the formulation This product contains Yellow Iron Oxide CAS# 51274-00-1

## Component Disclaimer

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is a concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

## 4. FIRST AID MEASURES

### Description of first aid measures

#### **General advice**

Show this safety data sheet to the doctor in attendance. Call 911 or emergency medical service. Immediately call a POISON CENTER or doctor/physician. Use first aid treatment according to the nature of the injury.

#### **Inhalation**

Remove to fresh air. Get medical attention immediately if symptoms occur. Administer oxygen if breathing is difficult. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician. Unconscious persons should be moved to an uncontaminated area and, as necessary, given artificial resuscitation and supplemental oxygen.

#### **Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Get medical attention if symptoms occur.

#### **Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Remove material from skin immediately. Wash off immediately with soap and plenty of water for at least 15 minutes. Do not use solvents or thinners to dissolve the material. Take off contaminated clothing and wash before reuse. Get medical attention immediately if symptoms occur. Allergic symptoms may be delayed.

#### **Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

#### **Self-protection of the first aider**

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

### Most important symptoms and effects, both acute and delayed

#### **Symptoms**

Itching. Rashes. Hives. Symptoms may include headache, dizziness, thirst, cramping, coughing, and nausea. These symptoms may be delayed. Repeated or prolonged exposure may cause kidney, liver, neurological, central nervous system, eye and skin disorders. See Section 11 for additional Toxicological Information. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Vapors may cause drowsiness and dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

**5. FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam. Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray. Use water spray or fog; do not use straight streams. Dry sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact. May be ignited by heat, sparks or flames. Vapors may form explosive mixture with air. Vapors may travel to source of ignition and flash back. In the event of fire and/or explosion do not breathe fumes. Containers may explode when heated. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire may produce irritating, corrosive and/or toxic gases.
<b>Hazardous combustion products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Hydrocarbons. Nitrogen oxides (NO <sub>x</sub> ).
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use only non-sparking tools.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Wear protective gloves/protective clothing and eye/face protection.
<b>Other Information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8. Water spray may reduce vapor; but may not prevent ignition in closed spaces.
<b><u>Environmental precautions</u></b>	
<b>Environmental precautions</b>	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information. Dispose of this material and its container to hazardous or special waste collection point. Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dike to collect large liquid spills.
<b>Methods for cleaning up</b>	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Place in appropriate chemical waste container. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Use personal protective equipment as required.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.
<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes. Ensure adequate ventilation. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance. Ground and bond all lines and equipment associated with product system. All equipment should be non-sparking and explosion proof. Remove all sources of ignition.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Keep/store only in original container. Keep away from open flames, hot surfaces and sources of ignition.
<b>Packaging materials</b>	use only with original package - do not repackage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

<b>Exposure Limits</b>	The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.
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Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
titanium dioxide	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>

13463-67-7		(vacated) TWA: 10 mg/m <sup>3</sup> total dust	
xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-
MAK 110-43-0	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 465 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 465 mg/m <sup>3</sup>
Barium sulfate 7727-43-7	TWA: 5 mg/m <sup>3</sup> inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
silicon dioxide crystalline-free, chemically prepared 7631-86-9	-	(vacated) TWA: 6 mg/m <sup>3</sup> <1% Crystalline silica TWA: 20 mppcf : (80)/(%) SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA	IDLH: 3000 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup>
n-butyl acetate 123-86-4	STEL: 200 ppm TWA: 150 ppm	TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m <sup>3</sup> (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m <sup>3</sup>	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 350 mg/m <sup>3</sup>
toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>

**Other Information**

This product may also contain pigments that are otherwise non hazardous according to the US GHS: REFER TO ACGIH TLV NUISANCE PARTICULATE GUIDANCE OF 10mg/m<sup>3</sup>, 3 mg/m<sup>3</sup> respirable fraction; OSHA PEL 15mg/m<sup>3</sup> total dust, 5mg/m<sup>3</sup> respirable fraction.

**Appropriate engineering controls****Engineering controls**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tight sealing safety goggles.

**Hand Protection**

Wear suitable gloves. Impervious gloves. Wear nitrile or natural rubber gloves to protect hands from contact. Butyl gloves are best for prolonged contact.

<b>Skin and body protection</b>	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots. Impervious clothing such as Tyvek(R) coveralls for light protection or Saranex(R) 23-P for moderate protection.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Adequate ventilation should be used as the first measure to ensure airborne thresholds listed in section 8 of this SDS are not exceeded. If respirators are used, they should be used in accordance with the Hazard Communication Standard.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid
<b>Appearance</b>	Paint
<b>Odor</b>	Aromatic
<b>Color</b>	yellow
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	na	
<b>Melting point / freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	116 °C / 241 °F	None known
<b>Flash point</b>	22 °C / 72 °F	
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability limit:</b>	No data available	<b>Lower flammability limit:</b> No data available
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	No data available	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>Specific gravity</b>	1.31
<b>Non-Volatile (%)</b>	68 %
<b>VOC Content (g/l)</b>	425
<b>Density</b>	10.9 lbs/gal
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	None under normal processing.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong acids. Strong bases. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides. Nitrogen oxides (NOx). Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components).
<b>Skin contact</b>	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Acute toxicity - Oral	Oral LD50	Acute toxicity - Dermal	LD50/dermal/rat - mg/kg
titanium dioxide 13463-67-7		> 10000 mg/kg ( Rat )		
xylene 1330-20-7		= 3500 mg/kg ( Rat )	Category 4	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )
MAK 110-43-0	Category 4	= 1600 mg/kg ( Rat ) = 1670 mg/kg ( Rat )		= 12.6 mL/kg ( Rabbit ) = 12600 µL/kg ( Rabbit )
Barium sulfate 7727-43-7	Category 4			
ethylbenzene 100-41-4		= 3500 mg/kg ( Rat )		= 15400 mg/kg ( Rabbit )
silicon dioxide crystalline-free, chemically prepared 7631-86-9		> 5000 mg/kg ( Rat )		> 2000 mg/kg ( Rabbit )
n-butyl acetate 123-86-4		= 10768 mg/kg ( Rat )		> 17600 mg/kg ( Rabbit )
toluene 108-88-3		= 2600 mg/kg ( Rat )		= 12000 mg/kg ( Rabbit )
Omg ASA 96-29-7		= 930 mg/kg ( Rat )	Category 4	= 0.2 mg/kg ( Rabbit )



Chemical Name	Physical state	Acute toxicity - Inhalation (Dusts/Mists)	Acute toxicity - Inhalation (Gases)	Acute toxicity - Inhalation (Vapors)	Inhalation LC50	LC50 Inh 1-hr Vapor rat/rabbit (no units)	Inhalation LC50 - 4 hour vapor - mg/L
titanium dioxide 13463-67-7	solid				-	-	-
xylene 1330-20-7	-	Category 4			= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h	-	-
MAK 110-43-0	liquid				> 2000 ppm ( Rat ) 4 h	4004	9.3492
Barium sulfate 7727-43-7	-	Category 4			-	-	-
ethylbenzene 100-41-4	liquid	Category 4			= 17.2 mg/L ( Rat ) 4 h	-	-
silicon dioxide crystalline-free, chemically prepared 7631-86-9	solid				> 2.2 mg/L ( Rat ) 1 h	-	-
n-butyl acetate 123-86-4	liquid				= 390 ppm ( Rat ) 4 h	780	1.8527
Stoddard solvent 8052-41-3	liquid				-	-	-
toluene 108-88-3	liquid				= 12.5 mg/L ( Rat ) 4 h	-	-
Omg ASA 96-29-7	-				= 20 mg/L ( Rat ) 4 h	-	-

Chemical Name	Acute aquatic toxicity	M-Factor	Chronic aquatic toxicity	M-Factor
xylene 1330-20-7	Category 1	-	Category 1	-
MAK 110-43-0		-	Not classified	-
ethylbenzene 100-41-4	Category 2	-	Category 2	-
n-butyl acetate 123-86-4	Category 3	-	Category 3	-
toluene 108-88-3	Category 3	-	Category 3	-
Omg ASA 96-29-7	Category 3	-	Category 3	-

Chemical Name	Eyes	Respiratory sensitization	Skin sensitization	Mutagenicity	Mutagenic category 1
Stoddard solvent 8052-41-3				Category 1	Category 1B
Omg ASA 96-29-7	Category 1		Category 1		

Chemical Name	Carcinogenicity	Carcinogenic category 1	Skin corrosion/irritation	Skin corrosion
xylene 1330-20-7			Category 2	
Stoddard solvent 8052-41-3	Category 1			
toluene 108-88-3			Category 2	

Chemical Name	Reproductive toxicant	Toxic to reproduction	Effects on or via

		<b>category 1</b>	<b>lactation</b>
toluene 108-88-3	Category 2		

Chemical Name	NIOSH - Target Organs	STOT - single exposure	Target Organ Systemic Toxicant - Repeated exposure	Aspiration toxicity	Ozone
titanium dioxide 13463-67-7	respiratory system in animals: lung tumors				
MAK 110-43-0	eyes,CNS,skin,PNS ,respiratory system				
Barium sulfate 7727-43-7	eyes,respiratory system				
ethylbenzene 100-41-4	eyes,CNS,respirator y system,skin		Category 2	Category 1	
silicon dioxide crystalline-free, chemically prepared 7631-86-9	eyes,respiratory system				
n-butyl acetate 123-86-4	eyes,CNS,respirator y system,skin	H336 - May cause drowsiness or dizziness Category 3			
Stoddard solvent 8052-41-3	eyes,CNS,respirator y system,skin,kidneys		Category 1	Category 1	
toluene 108-88-3	CNS,eyes,kidneys, liver,respiratory system,skin	H336 - May cause drowsiness or dizziness Category 3	Category 2	Category 1	

### Information on toxicological effects

**Symptoms** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

### Numerical measures of toxicity

#### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	2,466.00 mg/kg
<b>ATEmix (dermal)</b>	5,982.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	5.80 mg/l
<b>ATEmix (inhalation-vapor)</b>	176.00 mg/l

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity  
Component Information

### Component Information

Chemical Name	Oral LD50	LD50/dermal/rat - mg/kg	Inhalation LC50
titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
xylene 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
MAK 110-43-0	= 1600 mg/kg ( Rat ) = 1670 mg/kg ( Rat )	= 12.6 mL/kg ( Rabbit ) = 12600 µL/kg ( Rabbit )	> 2000 ppm ( Rat ) 4 h
ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h
silicon dioxide crystalline-free, chemically prepared	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h

7631-86-9			
n-butyl acetate 123-86-4	= 10768 mg/kg ( Rat )	> 17600 mg/kg ( Rabbit )	= 390 ppm ( Rat ) 4 h
toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
Omg ASA 96-29-7	= 930 mg/kg ( Rat )	= 0.2 mg/kg ( Rabbit )	= 20 mg/L ( Rat ) 4 h

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Classification based on data available for ingredients. Irritating to skin.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	Classification based on data available for ingredients. Contains a known or suspected mutagen. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.
<b>Carcinogenicity</b>	Classification based on data available for ingredients. Contains a known or suspected carcinogen.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
titanium dioxide 13463-67-7	-	Group 2B	-	X
xylene 1330-20-7	-	Group 3	-	-
ethylbenzene 100-41-4	A3	Group 2B	-	X
silicon dioxide crystalline-free, chemically prepared 7631-86-9	-	Group 3	-	-
toluene 108-88-3	-	Group 3	-	-

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

**IARC (International Agency for Research on Cancer)**

**NTP (National Toxicology Program)**

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

<b>Reproductive toxicity</b>	Classification based on data available for ingredients. Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.
<b>STOT - single exposure</b>	No information available.
<b>Target Organ Systemic Toxicant - Repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.
<b>Target organ effects</b>	Respiratory system, Eyes, Skin, Central nervous system, Peripheral Nervous System (PNS), lungs, Central Vascular System (CVS).
<b>Aspiration hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
xylene 1330-20-7	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	-	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50
MAK 110-43-0	-	126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
ethylbenzene 100-41-4	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 32: 96 h Lepomis macrochirus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static	-	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
silicon dioxide crystalline-free, chemically prepared 7631-86-9	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	-	7600: 48 h Ceriodaphnia dubia mg/L EC50
n-butyl acetate 123-86-4	674.7: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 62: 96 h Leuciscus idus mg/L LC50 static	-	72.8: 24 h Daphnia magna mg/L EC50
toluene 108-88-3	433: 96 h Pseudokirchneriella	15.22 - 19.05: 96 h Pimephales promelas	-	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static

	subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static		11.5: 48 h Daphnia magna mg/L EC50
Omg ASA 96-29-7	83: 72 h Desmodemus subspicatus mg/L EC50	777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static	-	750: 48 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical Name	Partition coefficient	DOT Marine Pollutant	DOT Severe Marine pollutant
xylene 1330-20-7	3.15		
MAK 110-43-0	1.98		
ethylbenzene 100-41-4	3.118		
n-butyl acetate 123-86-4	1.81		
Stoddard solvent 8052-41-3	-	Marine Pollutant	
toluene 108-88-3	2.65		
Omg ASA 96-29-7	0.65		

**Other adverse effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

#### Waste from residues/unused products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

#### Contaminated packaging

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld

containers.

US EPA Waste Number D001, U220 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
xylene 1330-20-7	-	Included in waste stream: F039	-	U239
ethylbenzene 100-41-4	-	Included in waste stream: F039	-	-
toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151	-	U220

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
toluene 108-88-3	-	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	-

**California Hazardous Waste Status** This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
xylene 1330-20-7	Toxic Ignitable
ethylbenzene 100-41-4	Toxic Ignitable
n-butyl acetate 123-86-4	Toxic
toluene 108-88-3	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**DOT**

UN/ID no. UN1263  
 Proper shipping name PAINT  
 Hazard Class 3  
 Packing Group II  
 Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28, 367  
 Description UN1263, PAINT, 3, II

Emergency Response Guide Number 128

**TDG**

UN/ID no. UN1263  
 Proper shipping name PAINT  
 Hazard Class 3  
 Packing Group II  
 Description UN1263, PAINT, 3, II

**MEX**

UN/ID no. UN1263  
 Proper shipping name PAINT  
 Hazard Class 3  
 Special Provisions 163  
 Packing Group II  
 Description UN1263, PAINT, 3, II

**ICAO (air)**

UN/ID no. UN1263  
 Proper shipping name PAINT  
 Hazard Class 3  
 Packing Group II  
 Special Provisions A3, A72, A192  
 Description UN1263, PAINT, 3, II

**IATA**

UN/ID no. UN1263  
 Hazard Class 3  
 Packing Group II  
 ERG Code 3L  
 Special Provisions A3, A72, A192  
 Description &UN1263, &, 3, II

**IMDG**

UN/ID no. UN1263  
 Hazard Class 3  
 Packing Group II  
 EmS-No. F-E, S-E  
 Special Provisions 163, 367  
 Description &UN1263, &, 3, II, (22°C C.C.)

**RID**

UN/ID no. UN1263  
 Proper shipping name PAINT  
 Hazard Class 3  
 Packing Group II  
 Classification code F1  
 Description UN1263, PAINT, 3, II  
 Labels 3

**ADR**

UN/ID no. UN1263  
 Proper shipping name PAINT  
 Hazard Class 3  
 Packing Group II  
 Classification code F1  
 Tunnel restriction code (D/E)  
 Special Provisions 163, 640C, 650, 367  
 Description UN1263, PAINT, 3, II  
 Labels 3

**ADN**

Proper shipping name	PAINT
Hazard Class	3
Packing Group	II
Classification code	F1
Special Provisions	163, 640C, 650, 367
Description	UN1263, PAINT, 3, II
Hazard label(s)	3
Limited quantity (LQ)	5 L
Ventilation	VE01

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 - Threshold Values %
xylene 1330-20-7	1.0
Barium sulfate 7727-43-7	1.0
ethylbenzene 100-41-4	0.1
toluene 108-88-3	1.0

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CAA (Clean Air Act)

The following component(s) are listed in the Clean Air Act.

Chemical Name	Hazardous air pollutants (HAPs) content
xylene 1330-20-7	Present
ethylbenzene 100-41-4	Present
toluene 108-88-3	Present

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
xylene 1330-20-7	100 lb	-	-	X



ethylbenzene 100-41-4	1000 lb	X	X	X
n-butyl acetate 123-86-4	5000 lb	-	-	X
toluene 108-88-3	1000 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
xylene 1330-20-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
ethylbenzene 100-41-4	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
n-butyl acetate 123-86-4	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
toluene 108-88-3	1000 lb 1 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

**WARNING!**

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical Name	California Proposition 65
titanium dioxide - 13463-67-7	Carcinogen
ethylbenzene - 100-41-4	Carcinogen
toluene - 108-88-3	Developmental Female Reproductive

**U.S. State Right-to-Know Regulations****US State Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
titanium dioxide 13463-67-7	X	X	X
xylene 1330-20-7	X	X	X
MAK 110-43-0	X	X	X
Barium sulfate 7727-43-7	X	X	X
ethylbenzene 100-41-4	X	X	X
silicon dioxide crystalline-free, chemically prepared 7631-86-9	X	X	X
n-butyl acetate 123-86-4	X	X	X
toluene 108-88-3	X	X	X

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 3	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health hazards 2 *	Flammability 3	Physical hazards 0	Personal protection X
<i>Chronic Hazard Star Legend</i>	<i>* = Chronic Health Hazard</i>			

**Prepared By** This SDS was prepared by Kempen Paint Company using The Werics (R) software of Underwriters Laboratories, utilizing the ChemAdvisor LOLI database.

**Revision Date** 20-Jun-2023

**Revision Note** SDS sections updated.

**Disclaimer**

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**End of Safety Data Sheet**