SAFETY DATA SHEET

Issuing Date 29-Jun-2015 **Revision Date** 19-Nov-2015 **Revision Number** 2

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

Product identifier

Product Code(s) PH 1210
Product Name BLACK ALKYD ENAMEL

Component Single Component

Other means of identification

Other Information 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). It 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

Emergency Telephone Kempen Paint's Safety Data Sheet library at Chemtrec is account number 201386

2. HAZARDS IDENTIFICATION

Classification

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

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Danger

Hazard statements
Harmful if swallowed

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
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
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
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 or concerned: Get medical advice/attention
Specific treatment (see information on this label)
IF exposed: Call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
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
IF INHALED: Remove person to fresh air and keep comfortable for breathing
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting
Rinse mouth
In case of fire: Use CO2, 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

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-%
Barium sulfate	7727-43-7	36.62
Stoddard solvent	8052-41-3	5.6597
Solvent naphtha (petroleum), light arom.	64742-95-6	5.0283
2-butoxyethanol	111-76-2	4.41
1,2,4-trimethylbenzene	95-63-6	2.5438
toluene	108-88-3	2.0478
Carbon black	1333-86-4	2
pentan-2-one	107-87-9	1.9357
butan-1-ol	71-36-3	1.65
Solvent naphtha (petroleum), heavy arom.	64742-94-5	0.5978
xylene	1330-20-7	0.4415
Omg ASA	96-29-7	0.32
Cobalt Carboxylate	136-52-7	0.154

Chemical Additions This product contains CAS # 136-52-7 Cobolt Carboxylate below the SARA 313 TRI reporting requirement of 1% but greater than .01% of the formulation

4. FIRST AID MEASURES

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. 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 Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may 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 Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF

SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention. 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 direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Burning sensation. 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. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. Dry chemical, CO2, 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.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical 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.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons. Nitrogen oxides (NOx).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes.

Special protective equipment for fire-fighters 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

Personal precautions 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. Avoid breathing vapors or mists. 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.

Other Information 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.

Environmental precautions

Environmental precautions 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

Methods for containment 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.

Methods for cleaning up 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.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling 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.

Conditions for safe storage, including any incompatibilities

Storage Conditions

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. Keep out of the reach of children. Store locked up. Store away from other materials. Keep/store only in original container. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

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.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Barium sulfate 7727-43-7	TWA: 5 mg/m³ inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 20000 mg/m³ Ceiling: 1800 mg/m³ 15 min TWA: 350 mg/m³
2-butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³
1,2,4-trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m³
toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
Carbon black 1333-86-4	TWA: 3 mg/m³ inhalable fraction	TWA: 3.5 mg/m³ (vacated) TWA: 3.5 mg/m³	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
pentan-2-one 107-87-9	STEL: 150 ppm	TWA: 200 ppm TWA: 700 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 700 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 875 mg/m³	IDLH: 1500 ppm TWA: 150 ppm TWA: 530 mg/m³
butan-1-ol 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m³ (vacated) S* (vacated) Ceiling: 50 ppm (vacated) Ceiling: 150 mg/m³	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m³

xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m³	-

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.

Skin and body protection 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.

Respiratory protection 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.

General hygiene considerations 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. Avoid contact with skin, eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid
Appearance	Paint
Odor	Aromatic
Color	black
Odor threshold	No information available

Property	**Values**	**Remarks • Method**	
pH	7		
Melting point / freezing point	No data available	None known	
Boiling point / boiling range	125 °C / 257 °F	None known	
Flash point	36 °C / 97 °F		
Evaporation rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability limit:	No data available	**Lower flammability limit:**	No data available
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Relative density	No data available	None known	

Water solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
Specific gravity	1.39
Non-Volatile (%)	73 %
VOC Content (g/l)	370
Density	11.58 lbs/gal
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization None under normal processing.

Conditions to avoid Heat, flames and sparks. Excessive heat.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products 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

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).

Eye contact Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.

Skin contact 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). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (based on components).

Chemical Name	Acute toxicity - Oral	Oral LD50	Acute toxicity -	LD50/dermal/rat -

			Dermal	mg/kg
Barium sulfate 7727-43-7	Category 4			
Solvent naphtha (petroleum), light arom. 64742-95-6		= 8400 mg/kg (Rat)		> 2000 mg/kg (Rabbit)
2-butoxyethanol 111-76-2	Category 4	= 470 mg/kg (Rat)	Category 4	= 99 mg/kg (Rabbit)
1,2,4-trimethylbenzene 95-63-6		= 3280 mg/kg (Rat)		> 3160 mg/kg (Rabbit)
toluene 108-88-3		= 2600 mg/kg (Rat)		= 12000 mg/kg (Rabbit)
Carbon black 1333-86-4		> 15400 mg/kg (Rat)		> 3 g/kg (Rabbit)
pentan-2-one 107-87-9		= 1600 mg/kg (Rat)		= 6480 mg/kg (Rat) = 6500 mg/kg (Rabbit)
butan-1-ol 71-36-3	Category 4	= 700 mg/kg (Rat) = 790 mg/kg (Rat)		= 3400 mg/kg (Rabbit) = 3402 mg/kg (Rabbit)
Solvent naphtha (petroleum), heavy arom. 64742-94-5		> 5000 mg/kg (Rat)		> 2 mL/kg (Rabbit)
xylene 1330-20-7		= 3500 mg/kg (Rat)	Category 4	> 1700 mg/kg (Rabbit) > 4350 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
Barium sulfate 7727-43-7	-	Category 4			-	-	-
Stoddard solvent 8052-41-3	liquid				-	-	-
Solvent naphtha (petroleum), light arom. 64742-95-6	-				= 3400 ppm (Rat) 4 h	-	-
2-butoxyethanol 111-76-2	liquid	Category 4			= 450 ppm (Rat) 4 h	900	2.1749
1,2,4-trimethylbenzene 95-63-6	liquid	Category 4			= 18 g/m^3 (Rat) 4 h	-	-
toluene 108-88-3	liquid				= 12.5 mg/L (Rat) 4 h	-	-
Carbon black 1333-86-4	solid				-	-	-
pentan-2-one 107-87-9	liquid				= 2000 ppm (Rat) 4 h	4000	7.0454
butan-1-ol 71-36-3	liquid				> 8000 ppm (Rat) 4 h	16016	24.2762
Solvent naphtha (petroleum), heavy arom. 64742-94-5	-				> 590 mg/m^3 (Rat) 4 h	-	-
xylene 1330-20-7	-	Category 4			= 29.08 mg/L (Rat) 4 h = 5000 ppm (	-	-

					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
Solvent naphtha (petroleum), light arom. 64742-95-6	Category 2	-	Category 2	-
1,2,4-trimethylbenzene 95-63-6	Category 2	-	Category 2	-
toluene 108-88-3	Category 3	-	Category 3	-
butan-1-ol 71-36-3	Category 3	-	Category 3	-
Solvent naphtha (petroleum), heavy arom. 64742-94-5	Category 1	-	Category 1	-
xylene 1330-20-7	Category 1	-	Category 1	-
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
Solvent naphtha (petroleum), light arom. 64742-95-6				Category 1	Category 1B
2-butoxyethanol 111-76-2	Category 2				
1,2,4-trimethylbenzene 95-63-6	Category 2				
butan-1-ol 71-36-3	Category 1				
Omg ASA 96-29-7	Category 1		Category 1		

Chemical Name	Carcinogenicity	Carcinogenic category 1	Reproductive toxicant	Toxic to reproduction category 1	Effects on or via lactation
Stoddard solvent 8052-41-3	Category 1				
Solvent naphtha (petroleum), light arom. 64742-95-6	Category 1	Category 1B			
toluene 108-88-3			Category 2		

Chemical Name	NIOSH - Target Organs	STOT - single exposure	Target Organ Systemic Toxicant - Repeated exposure	Aspiration toxicity	Ozone
Barium sulfate 7727-43-7	eyes,respiratory system				
Stoddard solvent 8052-41-3	eyes,CNS,respiratory system,skin,kidneys		Category 1	Category 1	
Solvent naphtha (petroleum), light arom.	-			Category 1	

64742-95-6					
2-butoxyethanol 111-76-2	liver,kidneys,lymphoid system,skin,blood,eyes,CNS,respiratory system,hematopoietic system				
1,2,4-trimethylbenzene 95-63-6	eyes,CNS,respiratory system,skin,blood	H335 - May cause respiratory irritation Category 3			
toluene 108-88-3	CNS,eyes,kidneys,liver,respiratory system,skin	H336 - May cause drowsiness or dizziness Category 3	Category 2	Category 1	
Carbon black 1333-86-4	eyes,respiratory system lymphatic cancer in presence of PAHs				
pentan-2-one 107-87-9	eyes,CNS,respiratory system,skin				
butan-1-ol 71-36-3	eyes,CNS,respiratory system,skin	H336 - May cause drowsiness or dizziness H335 - May cause respiratory irritation Category 3			
Solvent naphtha (petroleum), heavy arom. 64742-94-5	-			Category 1	

Information on toxicological effects

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. 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 .

ATEmix (oral) 1,132.00 mg/kg
ATEmix (dermal) 12,078.00 mg/kg
ATEmix (inhalation-dust/mist) 3.40 mg/l
ATEmix (inhalation-vapor) 42.19 mg/l

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

Component Information

Chemical Name	Oral LD50	LD50/dermal/rat - mg/kg	Inhalation LC50
Solvent naphtha (petroleum), light arom. 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
2-butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
1,2,4-trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m^3 (Rat) 4 h
toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
pentan-2-one 107-87-9	= 1600 mg/kg (Rat)	= 6480 mg/kg (Rat) = 6500 mg/kg (Rabbit)	= 2000 ppm (Rat) 4 h
butan-1-ol	= 700 mg/kg (Rat) = 790	= 3400 mg/kg (Rabbit) = 3402	> 8000 ppm (Rat) 4 h

71-36-3	mg/kg (Rat)	mg/kg (Rabbit)	
Solvent naphtha (petroleum), heavy arom. 64742-94-5	> 5000 mg/kg (Rat)	> 2 mL/kg (Rabbit)	> 590 mg/m^3 (Rat) 4 h
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
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

Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation Classification based on data available for ingredients. Irritating to eyes.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity 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.

Carcinogenicity 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
2-butoxyethanol 111-76-2	A3	Group 3	-	-
toluene 108-88-3	-	Group 3	-	-
Carbon black 1333-86-4	A3	Group 2B	-	X
xylene 1330-20-7	-	Group 3	-	-
Cobalt Carboxylate 136-52-7	-	Group 2B	-	X

Reproductive toxicity 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.

STOT - single exposure No information available.

Target Organ Systemic Toxicant - Repeated exposure Causes damage to organs through prolonged or repeated exposure.

Target organ effects liver, kidney, Respiratory system, Eyes, Skin, Central nervous system, blood, Hematopoietic System, Lymphatic System.

Aspiration hazard May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity .

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Solvent naphtha (petroleum), light arom. 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	-	6.14: 48 h Daphnia magna mg/L EC50
2-butoxyethanol	-	1490: 96 h Lepomis	-	1000: 48 h Daphnia

111-76-2		macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50
1,2,4-trimethylbenzene 95-63-6	-	7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow-through	-	6.14: 48 h Daphnia magna mg/L EC50
toluene 108-88-3	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas 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	-	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50
Carbon black 1333-86-4	-	-	-	5600: 24 h Daphnia magna mg/L EC50
pentan-2-one 107-87-9	-	1190 - 1290: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
butan-1-ol 71-36-3	500: 96 h Desmodesmus subspicatus mg/L EC50 500: 72 h Desmodesmus subspicatus mg/L EC50	1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 1740: 96 h Pimephales promelas mg/L LC50 flow-through 100000 - 500000: 96 h Lepomis macrochirus µg/L LC50 static 1910000: 96 h Pimephales promelas µg/L LC50 static	-	1983: 48 h Daphnia magna mg/L EC50 1897 - 2072: 48 h Daphnia magna mg/L EC50 Static
Solvent naphtha (petroleum), heavy arom. 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50	-	0.95: 48 h Daphnia magna mg/L EC50
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	-	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50

		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		
Omg ASA 96-29-7	83: 72 h Desmodesmus 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
Stoddard solvent 8052-41-3	-	Marine Pollutant	
2-butoxyethanol 111-76-2	0.81		
1,2,4-trimethylbenzene 95-63-6	3.63		
toluene 108-88-3	2.65		
pentan-2-one 107-87-9	0.91		
butan-1-ol 71-36-3	0.785		
Solvent naphtha (petroleum), heavy arom. 64742-94-5	6.1		
xylene 1330-20-7	3.15		
Omg ASA 96-29-7	0.65		

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused Should not be released into the environment. Dispose of in accordance with local

products regulations. Dispose of waste in accordance with environmental legislation.

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

US EPA Waste Number D001, U031 U055 U165 U220 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151	-	U220
butan-1-ol 71-36-3	-	Included in waste stream: F039	-	U031
xylene 1330-20-7	-	Included in waste stream: F039	-	U239

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
toluene 108-88-3	Toxic Ignitable
pentan-2-one 107-87-9	Toxic Ignitable
butan-1-ol 71-36-3	Toxic
xylene 1330-20-7	Toxic Ignitable
Cobalt Carboxylate 136-52-7	Toxic

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN1263

Proper shipping name	Paint
Hazard Class	3
Packing Group	III
Reportable Quantity (RQ)	(Toluene: RQ (kg)= 454.00, Xylenes (mixed isomers): RQ (kg)= 45.40)
Special Provisions	B1, B52, IB3, T2, TP1, TP29, 367
Description	UN1263, Paint (1,2,4-TRIMETHYLBENZENE, 2-DIMETHYLAMINOETHANOL), 3, III, Marine pollutant
Emergency Response Guide Number	128

TDG

UN/ID no.	UN1263
Proper shipping name	Paint
Hazard Class	3
Packing Group	III
Description	UN1263, Paint (1,2,4-TRIMETHYLBENZENE, 2-DIMETHYLAMINOETHANOL), 3, III, Marine pollutant

MEX

UN/ID no.	UN1263
Proper shipping name	Paint
Hazard Class	3
Special Provisions	163, 223
Packing Group	III
Description	UN1263, Paint, 3, III

ICAO (air)

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

IATA

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

IMDG

UN/ID no.	UN1263
Hazard Class	3
Packing Group	III
EmS-No.	F-E, S-E
Special Provisions	163, 223, 367 955
Description	&UN1263, & (1,2,4-TRIMETHYLBENZENE, 2-DIMETHYLAMINOETHANOL), 3, III, (36°C C.C.), <TWRP0004>

RID

UN/ID no.	UN1263
Proper shipping name	Paint
Hazard Class	3
Packing Group	III
Classification code	F1
Description	UN1263, Paint, 3, III, Environmentally Hazardous

ADR

UN/ID no.	UN1263
Proper shipping name	Paint
Hazard Class	3

Packing Group	III
Classification code	F1
Tunnel restriction code	D/E
Special Provisions	163, 640E, 650, 367
Description	UN1263, Paint, 3, III, Environmentally Hazardous
Labels	3

ADN

Proper shipping name	Paint
Hazard Class	3
Packing Group	III
Classification code	F1
Special Provisions	163, 640E, 650, 367
Description	UN1263, Paint, 3, III, Environmentally Hazardous
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 %
Barium sulfate 7727-43-7	1.0
2-butoxyethanol 111-76-2	1.0
1,2,4-trimethylbenzene 95-63-6	1.0
toluene 108-88-3	1.0
butan-1-ol 71-36-3	1.0
xylene 1330-20-7	1.0
Cobalt Carboxylate 136-52-7	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
2-butoxyethanol 111-76-2	

toluene 108-88-3	
xylene 1330-20-7	
Cobalt Carboxylate 136-52-7	

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
toluene 108-88-3	1000 lb	X	X	X
xylene 1330-20-7	100 lb	-	-	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)
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
butan-1-ol 71-36-3	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
xylene 1330-20-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
toluene - 108-88-3	Developmental Female Reproductive
Carbon black - 1333-86-4	Carcinogen
ethylbenzene - 100-41-4	Carcinogen
cumene - 98-82-8	Carcinogen
naphthalene - 91-20-3	Carcinogen
silicon dioxide - 14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

US State Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Barium sulfate 7727-43-7	X	X	X
Stoddard solvent 8052-41-3	X	X	X
2-butoxyethanol 111-76-2	X	X	X
1,2,4-trimethylbenzene 95-63-6	X	X	X
toluene 108-88-3	X	X	X
Carbon black 1333-86-4	X	X	X
pentan-2-one 107-87-9	X	X	X
butan-1-ol 71-36-3	X	X	X
2-dimethylaminoethanol	X	X	X

108-01-0			
xylene 1330-20-7	X	X	X
Cobalt Carboxylate 136-52-7	X	-	X

U.S. EPA Label Information

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

NFPA **Health hazards** 2 **Flammability** 3 **Instability** 0 **Physical and chemical properties** -

HMIS **Health hazards** 2 * **Flammability** 3 **Physical hazards** 0 **Personal protection** X

Chronic Hazard Star Legend * = *Chronic Health Hazard*

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

Issuing Date 29-Jun-2015

Revision Date 19-Nov-2015

Revision Note SDS sections updated.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet