

1. Identification

Product identifier

Product identifier:	Epoxy Primer Gray
Product code:	KEP405-GL, KEP405-PT, KEP405-QT
Supplier Name:	Global Solutions Packaging 41158 Koppernick Rd. Canton, MI 48187
Telephone:	734-216-0652
Emergency telephone number:	Chemtrec 1-800-424-9300
Available hours:	8h-17h Monday to Friday
Recommended use:	Automotive refinish
Restrictions on use:	For industrial use only

2. Hazard identification

Hazard classification: DANGER

Product classification:



Flammable liquids-Category 2.

Carcinogenicity-Category 2. Specific target organ toxicity – repeated exposure-Category 2. Reproductive toxicity-Category 2.

Skin irritation-Category 2. Serious eye irritation-Category 2A. Skin sensitization-Category 1. Specific target organ toxicity – single exposure-Category 3 Narcotic effects.

Hazard statement(s): Highly flammable liquid and vapour. Suspected of damaging fertility or the unborn child. Suspected of causing cancer. May cause damage to organs (Central Nervous System and ears) through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness.

Precautionary statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat,

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hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. For large container, ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lightning equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist, vapours, and spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye and face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. 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. IF exposed or concerned: Get medical advice. Take off contaminated clothing and wash it before reuse. In case of fire: Use an appropriate extinguisher.

Storage: Keep cool. Store in a well ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: Moderately toxic by intravenous, intraperitoneal route and subcutaneous routes.

See toxicological information, section 11

3. Composition/Information on ingredients

No	CAS No	Common name and synonyms	Concentration (W/W)
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	27.11%
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	24.75%
3	67-64-1	Acetone	10.08%
4	78-93-3	Methyl ethyl ketone	5.90%
5	108-10-1	Methyl isobutyl ketone	4.00%
6	108-88-3	Toluene	4.00%
7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3.12%
8	1333-86-4	Carbon black, (C.I. pigment black 7)	0.66%
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.13%

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4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Symptoms: Skin itching, redness of eyes and skin. Skin hypersensitivity. Redness, flaking and cracking of the skin. We can observe headaches, nausea, vomiting and dizziness. Decreased concentration and memory, sleep disturbances, irritability and muscular aches. Tingling sensation, numbness, motor disorders: paresis or paralysis. Possible perceptive deafness, dizziness, tinnitus and hyperacusis.

Effects (acute or delayed): May cause eyes and skin irritation. May cause skin sensitization. Following repeated or prolonged contact, it has a degreasing effect on the skin. Can cause depression of the central nervous system. May cause the inflammation of the airways. Some suspected neurological disorders. May cause kidney damage. Inhalation of high concentrations vapors can cause narcotic effect. May cause peripheral neuropathy. If ingested in large quantities may cause gastro-intestinal disorders. Ototoxic effect after a long-term exposure.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: Flammable. Vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source.

Hazardous combustion products: Carbon monoxide and dioxide. Nitrogen oxides. Calcium oxides. Aldehydes. Carboxylic acids.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosionproof equipment. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: Strong oxidizing agents. Oxidizers.

8. Exposure controls/Personal protection

No	CAS No	Common name and synonyms	IDHL mg/m3	TWA mg/m3	STEL mg/m3	CEIL mg/m3
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	Not available	Not available	Not available	Not available
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	5000	Not available	Not available	Not available
3	67-64-1	Acetone	5938	1190	2380	Not available
4	78-93-3	Methyl ethyl ketone	3000	150	300	Not available
5	108-10-1	Methyl isobutyl ketone	Not available	205	307	Not available
6	108-88-3	Toluene	1885	188	282	Not available
7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	900	434	651	Not available
8	1333-86-4	Carbon black, (C.I. pigment black 7)	1750	3.5	Not available	Not available
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	50	0.1	Not available	Not available

IDHL: Immediately Dangerous to Life or Health Concentrations

TWA : Time Weighted Average

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STEL: Short -Term Exposure Limit

CEIL: Ceiling Limit

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.

9. Physical and chemical properties

Physical state: Liquid

Colour: Gray

Odour: Solvent

Odour threshold: Not available

pH: Not applicable

Melting/Freezing point: >100°C (212°F)

Initial boiling point/boiling range: >100°C (212°F)

Flash point: -4°C (24.8°F) Close cup

Lower flammable/explosive limit: 2,5% at 25 °C

Upper flammable/explosive limit: 12,8% at 25 °C

Auto-ignition temperature: >400°C (752°F)

Evaporation rate: Not available

Vapour pressure: Not available

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Vapour density: > 1 (air=1)

Relative density: 1,403 kg/L à 20 °C (water = 1)

Solubility in water: Insoluble

Partition coefficient - n-octanol/water: Not available

Decomposition temperature: Not available

Kinematic viscosity: Not available

10. Stability and reactivity

Reactivity: Stable under recommended conditions of storage and handling.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: No dangerous or polymerization reactions will not occur under normal conditions of use. Danger of explosion when heated.

Conditions to avoid: Keep away from incompatible products. Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks.

Incompatible materials: This product can attack certain types of plastic, rubber or coatings.

Hazardous decomposition products: Carbon monoxide and dioxide. Nitrogen oxides. Calcium oxides. Aldehydes. Carboxylic acids.

11. Toxicological information

No	CAS No	Common name and synonyms	(1) LD oral	(2) LD skin	(3) LD skin	(4) LC gases	(5) LC vapours	(6) LC dusts-mist
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	Not available	Not available	Not available	Not applicable	Not applicable	>5,00
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	5000	Not applicable	Not applicable	Not applicable	Not applicable	6.82
3	67-64-1	Acetone	5800	Not available	>15800	Not applicable	71.25	>5,00
4	78-93-3	Methyl ethyl ketone	2737	Not available	13000	Not applicable	34.50	>5,00
5	108-10-1	Methyl isobutyl ketone	2080	>2000	>2000	Not applicable	11.60	1.50
6	108-88-3	Toluene	5600	12000	12000	Not applicable	30.15	>5,00

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7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3523	Not available	4325	Not applicable	21.71	>5,00
8	1333-86-4	Carbon black, (C.I. pigment black 7)	>8000	Not available	>3000	Not applicable	Not applicable	>5,00
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	>2000	Not available	>5000	Not applicable	Not applicable	>5,00

- (1) LD₅₀ oral mg/kg
- (2) LD₅₀ skin mg/kg
- (3) LD₅₀ skin mg/kg
- (4) LC₅₀ inhalation ppmV 4h gases
- (5) LC₅₀ inhalation mg/l 4h vapours
- (6) LC₅₀ inhalation mg/l 4h dusts-mist

Routes of exposure: This product is absorbed through the respiratory tract, skin and gastrointestinal tract.

Symptoms: Skin itching, redness of eyes and skin. Skin hypersensitivity. Redness, flaking and cracking of the skin. We can observe headaches, nausea, vomiting and dizziness. Decreased concentration and memory, sleep disturbances, irritability and muscular aches. Tingling sensation, numbness, motor disorders: paresis or paralysis. Possible perceptive deafness, dizziness, tinnitus and hyperacusis.

Delayed and immediate effects: May cause eyes and skin irritation. May cause skin sensitization. Following repeated or prolonged contact, it has a degreasing effect on the skin. Can cause depression of the central nervous system. May cause the inflammation of the airways. Some suspected neurological disorders. May cause kidney damage. Inhalation of high concentrations vapors can cause narcotic effect. May cause peripheral neuropathy. If ingested in large quantities may cause gastro-intestinal disorders. Ototoxic effect after a long-term exposure.

No	CAS No	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	Not available	Not available	Not available.	Not available.
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	2B	A3	No effects shown.	No effects shown.
3	67-64-1	Acetone	3	A4	No effects shown.	The data do not allow for an adequate evaluation of the effects on reproduction.

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4	78-93-3	Methyl ethyl ketone	4	A5	The data do not allow for an adequate assessment of mutagenic effects.	It has an embryotoxic and / or fetotoxic in animals. It can cause sperm damage in animals.
5	108-10-1	Methyl isobutyl ketone	2B	A3	Not available.	The data do not allow for an adequate evaluation of the effects on reproduction.
6	108-88-3	Toluene	3	A4	The data do not allow for an adequate assessment of mutagenic effects.	It has an embryotoxic and / or fetotoxic in animals. It can cause sperm damage in animals.
7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3	A4	The data do not allow for an adequate assessment of mutagenic effects.	It has an embryotoxic and / or fetotoxic in animals. It can cause sperm damage in animals.
8	1333-86-4	Carbon black, (C.I. pigment black 7)	2B	A3	Mutagenic effects shown in animals or suspected in humans.	Not available.
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	1	A2	No effects shown.	No effects shown.

Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.

Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

Group A1: confirmed human carcinogen.

Group A2: suspected human carcinogen.

Group A3: confirmed animal carcinogen with unknown relevance to humans.

Group A4: not classifiable as a human carcinogen.

Group A5: not suspected as a human carcinogen.

12. Ecological information

No	CAS No	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	27.11	Yes	No	Yes
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	24.75	Yes	No	No
3	67-64-1	Acetone	10.08	Yes	No	No
4	78-93-3	Methyl ethyl ketone	5.90	Yes	No	No
5	108-10-1	Methyl isobutyl ketone	4.00	No	No	No
6	108-88-3	Toluene	4.00	Yes	No	Yes
7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3.12	No	No	No
8	1333-86-4	Carbon black, (C.I. pigment black 7)	0.66	Yes	No	No
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.13	Yes	No	No

No	CAS No	Common name and synonyms	%	Ecotoxicity for aquatic organisms-Short term	Ecotoxicity for aquatic organisms-Long term	Environmental effects
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	27.11	Not available.	Toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	24.75	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
3	67-64-1	Acetone	10.08	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
4	78-93-3	Methyl ethyl ketone	5.90	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

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5	108-10-1	Methyl isobutyl ketone	4.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
6	108-88-3	Toluene	4.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3.12	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
8	1333-86-4	Carbon black, (C.I. pigment black 7)	0.66	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.13	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.

14. Transport information

	TDG	DOT	IMDG	IATA
UN number	1263	1263	1263	1263
Proper shipping name	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3
Packing group	II	II	II	II

Other information

Marine pollutant: No

IMDG: Not applicable

Exemption for limited quantity: 5 L

In accordance with the Canadian Transport of Dangerous Goods regulations by Road, we use the 1.17 exemption when applicable.

Special precautions: Not applicable

Others exemptions: No other exemption.

15. Regulatory information

Canada

No	CAS No	Common name and synonyms	%	DSL	NDSL	NPRI
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	27.11	X		
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	24.75	X		
3	67-64-1	Acetone	10.08	X		
4	78-93-3	Methyl ethyl ketone	5.90	X		X
5	108-10-1	Methyl isobutyl ketone	4.00	X		X
6	108-88-3	Toluene	4.00	X		X
7	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3.12	X		X
8	1333-86-4	Carbon black, (C.I. pigment black 7)	0.66	X		
9	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.13	X		

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United-States

No	CAS No	Common name and synonyms	%	TSCA	PROP-65	Right to Know
1	25036-25-3	Bisphenol-A diglycidyl ether modified polymer	27.11	X		
2	13463-67-7	Titanium dioxide, rutile (C.I. pigment white 6)	24.75	X		X
3	67-64-1	Acetone	10.08	X		X
4	78-93-3	Methyl ethyl ketone	5.90	X		X
5	108-10-1	Methyl isobutyl ketone	4.00	X	X	X
6	108-10-1	Methyl isobutyl ketone	4.00	X	X	X
7	108-88-3	Toluene	4.00	X	X	X
8	108-88-3	Toluene	4.00	X	X	X
9	1330-20-7	Xylenes (mix isomers o,m,p, and ethyl benzene)	3.12	X		X
10	1333-86-4	Carbon black, (C.I. pigment black 7)	0.66	X	X	X
11	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.13	X		X

All ingredients are listed on the EINECS or in compliance with the inventory.

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR.

16. Other information

Date: 2018-10-02

Version: 1

Notice to the reader: The manufacturer hereby declares that the information disclosed herein have been based on governmental sites and/or raw material suppliers'. The manufacturer has no control over the nature and content of such information. The manufacturer fully reproduces all the information it holds on the constituent of the product, at the time it is manufactured. The manufacturer does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. By this data sheet, the manufacturer hereby discloses all the potential dangers it has knowledge of and which might be related to the using or manipulation of the product in order to allow the proper care to be brought and use with regard to the product. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist and notification is hereby given to the user. Notice is hereby given that injury can derive therefrom if the foregoing is not respected. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.