SAFETY DATA SHEET

INTERZONE 954 BLACK PART A

Section 1. Identification

GHS product identifier : INTERZONE 954 BLACK PART A

SDS code : EAY999

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

Identified uses
Professional use Industrial use

Uses advised against
Consumer use

Product use : Two component solvent borne coating for exterior use.

Supplier's details

Akzo Nobel Coatings
International Paint LLC
6001 Antoine Drive
Houston, Texas 77091
International Paint 1-800-589-1267
International Paint (International) 1-713-682-1711

Akzo Nobel Coatings Ltd.
4-110 Woodbine Downs Blvd.
Etobicoke ON M9W 5S6
Canada
International Paint (International) 1-713-682-1711

Akzo Nobel Performance Coatings, S.A. de C.V.
Anillo Periférico #205 Km16.64
Hacienda San José
García, Nuevo Leon, Mexico.
CP 66000

Emergency telephone number (with hours of operation) : CHEMTREC (USA) +1 (800) 424-9300 (24Hr)
CHEMTREC (International) +1 (703) 527-3887
Domestic Poison Control Center Customer Service +1 (800) 854-6813

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS label elements

Section 2. Hazards identification

Hazard pictograms :



Signal word : Danger

Hazard statements : Flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause cancer.
May cause damage to organs through prolonged or repeated exposure. (hearing organs)

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice or attention. 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 or attention.

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

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

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	Identifiers
Talc , not containing asbestiform fibres	≥15 - ≤40	14807-96-6
reaction product: bisphenol-A-(epichlorohydrin); epoxy resin	≥10 - ≤30	25068-38-6
xylene	≥5 - ≤10	1330-20-7
ethylbenzene	≥1 - ≤5	100-41-4
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	≥0.5 - ≤1.5	2530-83-8
4-methylpentan-2-one	≥0.5 - ≤1.5	108-10-1
Fatty acid diamide (generic)	≥0.1 - ≤1	-
Crystalline Silica, respirable part in whole product, <10µm	≥0.1 - ≤1	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

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

Inhalation : Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Get medical attention following exposure or if feeling unwell. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation occurs.

Ingestion : Get medical attention following exposure or if feeling unwell. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
halogenated compounds
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment 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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : 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.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : 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

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. 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 only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : 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. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : 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. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Talc , not containing asbestiform fibres	**ACGIH TLV (United States, 1/2025)** A4. TWA 8 hours: 2 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 2 mg/m³. Form: Respirable fraction. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 2 mg/m³. Form: Respirable dust.
reaction product: bisphenol-A-(epichlorohydrin); epoxy resin	None.
xylene	**ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene]** A4. Ototoxicant. TWA 8 hours: 20 ppm. **OSHA PEL 1989 (United States, 3/1989) [Xylenes (o-, m-, p-isomers)]** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 655 mg/m³.
ethylbenzene	**ACGIH TLV (United States, 1/2025)** A3. Ototoxicant. TWA 8 hours: 20 ppm. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 100 ppm.

Section 8. Exposure controls/personal protection

	TWA 10 hours: 435 mg/m³. STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m³.
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	None.
4-methylpentan-2-one	**ACGIH TLV (United States, 1/2025)** A3. TWA 8 hours: 20 ppm. STEL 15 minutes: 75 ppm. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 50 ppm. TWA 10 hours: 205 mg/m³. STEL 15 minutes: 75 ppm. STEL 15 minutes: 300 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 50 ppm. TWA 8 hours: 205 mg/m³. STEL 15 minutes: 75 ppm. STEL 15 minutes: 300 mg/m³.
Fatty acid diamide (generic)	None.
Crystalline Silica, respirable part in whole product, <10µm	**ACGIH TLV (United States, 1/2025) [Silica, crystalline]** A2. TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020) [SILICA, CRYSTALLINE]** NIA. TWA 10 hours: 0.05 mg/m³. Form: respirable dust. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 0.1 mg/m³ (as quartz). Form: Respirable dust.

Biological exposure indices

Ingredient name	Exposure indices
xylene	**ACGIH BEI (United States, 1/2025) [xylenes (technical or commercial grades)]** BEI: 0.3 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
ethylbenzene	**ACGIH BEI (United States, 1/2025)** BEI: 150 mg/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
4-methylpentan-2-one	**ACGIH BEI (United States, 1/2025)** BEI: 1 mg/l, methyl isobutyl ketone [in urine]. Sampling time: end of shift.

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.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : 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. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Wear a respirator conforming to EN140 with type A/P2 filter or better.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Black.

Odor : Solvent.

Odor threshold : Not available.

pH : Not available. [DIN EN 1262]

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : 136°C (276.8°F)

Flash point : Closed cup: 30°C (86°F) [Pensky-Martens]

Section 9. Physical and chemical properties

Evaporation rate : Not available.

Flammability : Not available.

Vapor pressure : There are no data available on the mixture itself.

Relative vapor density : Not available.

Density : 1.74 g/cm³ [DIN EN ISO 2811-1]

Solubility(ies) :

Media	Result
cold water cold water	Not soluble [OECD (TG 105)] Not soluble [OECD (TG 105)]

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : There are no data available on the mixture itself.

Decomposition temperature : Not available.

Viscosity : Kinematic (room temperature): 316 mm^2/s (316 cSt) [DIN EN ISO 3219]
Kinematic (40°C (104°F)): 91 mm^2/s (91 cSt) [DIN EN ISO 3219]

Particle characteristics

Median particle size : Not applicable.

Aerodynamic particle size distribution :

Aerodynamic diameter	Percentage of particles
≤ 10 µm	0

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials : Reactive or incompatible with the following materials:
oxidizing materials

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

There are no data available on the mixture itself.
The mixture has been assessed following the weight of evidence and calculation methods of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (HCS) (29 CFR 1910.1200) and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Acute toxicity

Section 11. Toxicological information

Product/ingredient name	Result	Dose	Effects
xylene	**Rat - Oral - LD50**	4300 mg/kg	Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes
	Rat - Subcutaneous - LD50	1700 mg/kg	-
ethylbenzene	**Rat - Oral - LD50**	3500 mg/kg	Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes
	Mouse - Intraperitoneal - LD50	2624 ul/kg	-
	Rabbit - Dermal - LD50	17800 ul/kg	-
	Rat - Oral - LD50	3500 mg/kg	-
	Rabbit - Dermal - LD50	>5000 mg/kg	-
	Rat - Inhalation - LC50 Vapor	55000 mg/m³ [2 hours]	-
	Mouse - Inhalation - LC50 Vapor	35500 mg/m³ [2 hours]	-
	Rabbit - Inhalation - LC50 Gas.	4000 ppm [4 hours]	-
4-methylpentan-2-one	**Rat - Oral - LD50**	2080 mg/kg	-
	Rat - Male - Inhalation - LC50 Vapor	11.6 mg/l [4 hours]	-

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
reaction product: bisphenol-A-(epichlorohydrin); epoxy resin	**Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 Ul **Rabbit - Skin - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg
xylene	**Rat - Skin - Mild irritant** Duration of treatment/exposure: 8 hours Amount/concentration applied: 60 Ul **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Moderate irritant** Amount/concentration applied: 100 %
ethylbenzene	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	**Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg
4-methylpentan-2-one	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

Serious eye damage/eye irritation

Product/ingredient name	Result
reaction product: bisphenol-A-(epichlorohydrin); epoxy resin	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 mg
xylene	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 87 mg **Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg
ethylbenzene	**Rabbit - Eyes - Severe irritant** Amount/concentration applied: 500 mg
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 mg
4-methylpentan-2-one	**Rabbit - Eyes - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 Ul **Rabbit - Eyes - Severe irritant** Amount/concentration applied: 40 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Talc , not containing asbestiform fibres	-	3	-
xylene	-	3	-
ethylbenzene	-	2B	-
4-methylpentan-2-one	-	2B	-
Crystalline Silica, respirable part in whole product, <10µm	-	1	Known to be a human carcinogen.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Section 11. Toxicological information

Product/ingredient name	Result
xylene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
4-methylpentan-2-one	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2
Crystalline Silica, respirable part in whole product, <10µm	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) (inhalation) - Category 1

Aspiration hazard

Product/ingredient name	Result
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

General : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Product data	208000.0	13074.4	N/A	96.6	N/A
xylene	N/A	1100	N/A	11	N/A
ethylbenzene	N/A	N/A	N/A	11	N/A
4-methylpentan-2-one	2080	N/A	N/A	11	N/A

Section 12. Ecological information

There are no data available on the mixture itself.
The mixture has been assessed following the weight of evidence and calculation methods of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (HCS) (29 CFR 1910.1200) and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Toxicity

Product/ingredient name	Result	Species	Dose	Effects
xylene	**Acute - LC50 - Marine water**	Crustaceans - Daggerblade grass shrimp - *Palaemonetes pugio*	8500 µg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Fathead minnow - *Pimephales promelas*	13400 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Goldfish - *Carassius auratus*	16940 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Bluegill - *Lepomis macrochirus* - Juvenile (Fledgling, Hatchling, Weanling)	15700 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Bluegill - *Lepomis macrochirus*	20870 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Bluegill - *Lepomis macrochirus*	19000 µg/l [96 hours]	Effect: Mortality

Section 12. Ecological information

	Acute - LC50 - Marine water	Crustaceans - Daggerblade grass shrimp - *Palaemonetes pugio* - Adult	8.5 ppm [48 hours]	Effect: Mortality
	Acute - EC50 - Fresh water	Crustaceans - Ostracod - *Cypris subglobosa*	90 mg/l [48 hours]	Effect: Intoxication
ethylbenzene	**Acute - LC50 - Fresh water**	Daphnia - Water flea - *Daphnia magna*	75000 µg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Marine water	Crustaceans - Dungeness or edible crab - *Cancer magister* - Zoea	40000 µg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Fathead minnow - *Pimephales promelas*	9090 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Marine water	Fish - Striped bass - *Morone saxatilis* - Juvenile (Fledgling, Hatchling, Weanling)	4.3 µl/l [96 hours]	Effect: Mortality
	Acute - EC50 - Fresh water	Algae - Green algae - *Pseudokirchneriella subcapitata*	4600 µg/l [72 hours]	Effect: Growth
	Acute - LC50 - Fresh water	Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*	4200 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Marine water	Fish - Atlantic silverside - *Menidia menidia*	5100 µg/l [96 hours]	Effect: Mortality
	Acute - EC50 - Marine water	Algae - Diatom - *Skeletonema costatum*	4900 µg/l [72 hours]	Effect: Population
	Acute - EC50 - Marine water	Algae - Diatom - *Skeletonema costatum*	7700 µg/l [96 hours]	Effect: Population
	Acute - EC50 - Fresh water	Algae - Green algae - *Pseudokirchneriella subcapitata*	5400 µg/l [72 hours]	Effect: Population

Section 12. Ecological information

	Acute - EC50 - Fresh water	Algae - Green algae - *Pseudokirchneriella subcapitata*	3600 µg/l [96 hours]	Effect: Population
	Acute - EC50 - Marine water	Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii	6.53 mg/l [48 hours]	Effect: Intoxication
	Acute - LC50 - Marine water	Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii	8.78 mg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Marine water	Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii	13.3 mg/l [48 hours]	Effect: Mortality
	Acute - EC50 - Fresh water	Daphnia - Water flea - *Daphnia magna* - Neonate	2.97 mg/l [48 hours]	Effect: Intoxication
	Acute - EC50 - Fresh water	Daphnia - Water flea - *Daphnia magna* - Neonate	2.93 mg/l [48 hours]	Effect: Intoxication
	Acute - LC50 - Fresh water	Daphnia - Water flea - *Daphnia magna* - Neonate	18.4 mg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Daphnia - Water flea - *Daphnia magna* - Neonate	13.9 mg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Fathead minnow - *Pimephales promelas*	9100 µg/l [96 hours]	Effect: Mortality
	Acute - EC50 - Marine water	Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii	13.3 mg/l [48 hours]	Effect: Intoxication
4-methylpentan-2-one	**Acute - LC50 - Fresh water**	Fish - Fathead minnow - *Pimephales promelas*	505000 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Fathead minnow - *Pimephales promelas*	540000 µg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water	Fish - Fathead minnow - *Pimephales promelas* - Juvenile (Fledgling, Hatchling,	537000 µg/l [96 hours]	Effect: Mortality

Section 12. Ecological information

		Weanling)		
	Chronic - NOEC - Fresh water	Daphnia - Water flea - *Daphnia magna*	78 mg/l [21 days]	Effect: Behavior
	Chronic - NOEC - Fresh water	Fish - Fathead minnow - *Pimephales promelas* - Embryo	168 mg/l [33 days]	Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
reaction product: bisphenol-A-(epichlorohydrin); epoxy resin	2.64 to 3.78	31	Low
xylene	3.12	8.1 to 25.9	Low
ethylbenzene	3.6	-	Low
4-methylpentan-2-one	1.9	-	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
xylene	1330-20-7	Listed	U239
4-methylpentan-2-one	108-10-1	Listed	U161

Section 14. Transport information

The information provided in section 14 is based on a bulk package shipment via ground transport in North America. All shippers are responsible for ensuring the proper transportation classification and package/container requirements are followed for the relevant mode of transport.

	DOT Classification	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3 	3 	3 
Packing group	III	III	III
Environmental hazards	No.	No.	No.

Additional information

DOT Classification : **Reportable quantity** 1188.6 lbs / 539.62 kg [81.926 gal / 310.12 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG : **Emergency schedules** F-E, _S-E_
Viscous liquid exception This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations

TSCA 5(a)2 - Proposed significant new use rules

No products found

TSCA 5(a)2 - Final significant new use rules

No products found

TSCA 5(e) substance consent order: No products found.

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are active or exempted.

Clean Water Act (CWA) 307: ethylbenzene; toluene

Clean Water Act (CWA) 311: xylene; ethylbenzene; toluene

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 3
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Composition/information on ingredients

Name	%	Classification
reaction product: bisphenol-A-(epichlorohydrin); epoxy resin	≥10 - ≤30	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1
xylene	≥5 - ≤10	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1
ethylbenzene	≥1 - ≤5	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	≥0.5 - ≤1.5	SERIOUS EYE DAMAGE - Category 1
4-methylpentan-2-one	≥0.5 - ≤1.5	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Fatty acid diamide (generic)	≥0.1 - ≤1	SKIN SENSITIZATION - Category 1
Crystalline Silica, respirable part in whole product, <10µm	≥0.1 - ≤1	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	xylene ethylbenzene 4-methylpentan-2-one	1330-20-7 100-41-4 108-10-1	≥5 - ≤10 ≥1 - ≤5 ≥0.5 - ≤1.5
Supplier notification	xylene ethylbenzene 4-methylpentan-2-one	1330-20-7 100-41-4 108-10-1	≥5 - ≤10 ≥1 - ≤5 ≥0.5 - ≤1.5

Section 15. Regulatory information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: TALC; BARIUM SULFATE; XYLENE; ETHYL BENZENE; METHYL ISOBUTYL KETONE

New York : The following components are listed: Xylene mixed; Ethylbenzene; Methyl isobutyl ketone

New Jersey : The following components are listed: TALC (NOT CONTAINING ASBESTOS FIBERS); BARIUM SULFATE; XYLENES; ETHYL BENZENE; METHYL ISOBUTYL KETONE; SILICA, QUARTZ

Pennsylvania : The following components are listed: TALC; BARIUM SULFATE; BENZENE, DIMETHYL-; BENZENE, ETHYL-; 2-PENTANONE, 4-METHYL-

California Prop. 65

⚠ **WARNING**: This product can expose you to chemicals including Methyl isobutyl ketone, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
ethylbenzene	Yes.	-
4-methylpentan-2-one	-	-
Crystalline Silica, respirable part in whole product, <10µm	-	-
toluene	-	Yes.

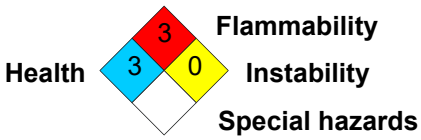
Inventory list

Canada : At least one component is not listed in DSL but all such components are listed in NDSL.

United States : All components are active or exempted.

Section 16. Other information

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
SKIN IRRITATION - Category 2	Calculation method
EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method

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Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

IMPORTANT NOTE: the information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates.

Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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