

SAFETY DATA SHEET

1403

Section 1. Identification

Product name : KRYLON® Metallics
Dull Aluminum

Product code : 1403

Other means of identification : Not available

Product type : Aerosol

Relevant identified uses of the substance or mixture and uses advised against
Not applicable

Manufacturer : Krylon Products Group
Cleveland, OH 44115

Emergency telephone number of the company : (216) 566-2917

Product Information Telephone Number : (800) 457-9566

Regulatory Information Telephone Number : (216) 566-2902

Transportation Emergency Telephone Number : (800) 424-9300

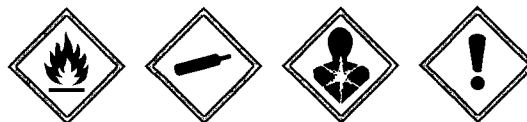
Section 2. Hazards identification

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 AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION (Unborn child) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation and Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
ASPIRATION HAZARD - Category 1
Percentage of the mixture consisting of ingredient(s) of unknown toxicity 43%

GHS label elements

Hazard pictograms :



Signal word :

Hazard statements :

Danger

Extremely flammable aerosol
Contains gas under pressure, may explode if heated
Causes serious eye irritation
Suspected of damaging the unborn child
Suspected of causing cancer
May be fatal if swallowed and enters airways
May cause respiratory irritation
May cause drowsiness and dizziness

Section 2. Hazards identification

May cause damage to organs through prolonged or repeated exposure

Precautionary statements

- General** : Read label before use Keep out of reach of children If medical advice is needed, have product container or label at hand
- Prevention** : Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wear eye or face protection Keep away from heat, hot surfaces, sparks, open flames and other ignition sources No smoking Pressurized container Do not pierce or burn, even after use Do not spray on an open flame or other ignition source Use only outdoors or in a well-ventilated area Do not breathe dust or mist Wash hands thoroughly after handling
- Response** : Get medical attention if you feel unwell IF exposed or concerned Get medical attention IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or physician if you feel unwell IF SWALLOWED Immediately call a POISON CENTER or physician Do NOT induce vomiting 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 attention
- Storage** : Store locked up Protect from sunlight Do not expose to temperatures exceeding 50 °C/122 °F Store in a well-ventilated place
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations
- Supplemental label elements** : DANGER Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container Dispose of in accordance with local fire regulations DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE Contains solvents which can cause permanent brain and nervous system damage Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal WARNING This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm FOR INDUSTRIAL USE ONLY
Please refer to the SDS for additional information Keep upright in a cool, dry place Do not discard empty can in trash compactor
- Hazards not otherwise classified** : None known

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Acetone	46.2	67-64-1
Propane	18.1	74-98-6
Lt Aliphatic Hydrocarbon Solvent	14.8	64742-89-8
Xylene	4.6	1330-20-7
Toluene	3.3	108-88-3
Medium Aromatic Hydrocarbons	2.1	64742-94-5
Ethylbenzene	0.8	100-41-4
Naphthalene	0.3	91-20-3

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

Section 3. Composition/information on ingredients

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, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. Get medical attention. If necessary, call a poison center or physician. 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** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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** : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Section 4. First aid measures

- Skin contact** : Adverse symptoms may include the following
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire
- Unsuitable extinguishing media** : None known
- Specific hazards arising from the chemical** : Extremely flammable aerosol In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion Bursting aerosol containers may be propelled from a fire at high speed Runoff to sewer may create fire or explosion hazard
- Hazardous thermal decomposition products** : Decomposition products may include the following materials
carbon dioxide
carbon monoxide
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 In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section 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

Section 6. Accidental release measures

adequate ventilation Wear appropriate respirator when ventilation is inadequate Put on appropriate personal protective equipment

For emergency responders : If specialised 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 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 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 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 (see Section 13) Dispose of via a licensed waste disposal contractor Contaminated absorbent material may pose the same hazard as the spilled product Note see Section 1 for emergency contact information and Section 13 for waste disposal

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8) Pressurized container protect from sunlight and do not expose to temperatures exceeding 50°C Do not pierce or burn, even after use Avoid exposure - obtain special instructions before use Avoid exposure during pregnancy 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 swallow Avoid breathing gas Use only with adequate ventilation Wear appropriate respirator when ventilation is inadequate 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 Empty containers retain product residue and can be hazardous

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 away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink Protect from sunlight Store locked up Eliminate all ignition sources Use appropriate containment to avoid environmental contamination

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Acetone	<p>ACGIH TLV (United States, 4/2014). TWA 500 ppm 8 hours TWA 1188 mg/m³ 8 hours STEL 750 ppm 15 minutes STEL 1782 mg/m³ 15 minutes</p> <p>NIOSH REL (United States, 10/2013). TWA 250 ppm 10 hours TWA 590 mg/m³ 10 hours</p> <p>OSHA PEL (United States, 2/2013). TWA 1000 ppm 8 hours TWA 2400 mg/m³ 8 hours</p>
Propane	<p>NIOSH REL (United States, 10/2013). TWA 1000 ppm 10 hours TWA 1800 mg/m³ 10 hours</p> <p>OSHA PEL (United States, 2/2013). TWA 1000 ppm 8 hours TWA 1800 mg/m³ 8 hours</p>
Xylene	<p>ACGIH TLV (United States, 4/2014). TWA 100 ppm 8 hours TWA 434 mg/m³ 8 hours STEL 150 ppm 15 minutes STEL 651 mg/m³ 15 minutes</p> <p>OSHA PEL (United States, 2/2013). TWA 100 ppm 8 hours TWA 435 mg/m³ 8 hours</p>
Toluene	<p>OSHA PEL Z2 (United States, 2/2013). TWA 200 ppm 8 hours CEIL 300 ppm AMP 500 ppm 10 minutes</p> <p>NIOSH REL (United States, 10/2013). TWA 100 ppm 10 hours TWA 375 mg/m³ 10 hours STEL 150 ppm 15 minutes STEL 560 mg/m³ 15 minutes</p> <p>ACGIH TLV (United States, 4/2014). TWA 20 ppm 8 hours</p>
Ethylbenzene	<p>ACGIH TLV (United States, 4/2014). TWA 20 ppm 8 hours</p> <p>NIOSH REL (United States, 10/2013). TWA 100 ppm 10 hours TWA 435 mg/m³ 10 hours STEL 125 ppm 15 minutes STEL 545 mg/m³ 15 minutes</p> <p>OSHA PEL (United States, 2/2013). TWA 100 ppm 8 hours TWA 435 mg/m³ 8 hours</p>
Naphthalene	<p>ACGIH TLV (United States, 4/2014). Absorbed through skin. TWA 10 ppm 8 hours TWA 52 mg/m³ 8 hours</p> <p>NIOSH REL (United States, 10/2013). TWA 10 ppm 10 hours TWA 50 mg/m³ 10 hours STEL 15 ppm 15 minutes STEL 75 mg/m³ 15 minutes</p> <p>OSHA PEL (United States, 2/2013). TWA 10 ppm 8 hours TWA 50 mg/m³ 8 hours</p>

Section 8. Exposure controls/personal protection

- 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.
- 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. 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** : 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.

Section 9. Physical and chemical properties

Appearance

- Physical state** . Liquid
- Color** : Not available
- Odor** : Not available
- Odor threshold** . Not available
- pH** : 7
- Melting point** : Not available
- Boiling point** . Not available
- Flash point** . Closed cup -29°C (-20.2°F) [Pensky-Martens Closed Cup]
- Evaporation rate** . 5.6 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Lower 0.8% Upper 12.8%
Vapor pressure	: 13.5 kPa (101.325 mm Hg) [at 20°C]
Vapor density	: 1.55 [Air = 1]
Relative density	: 0.74
Solubility	: Not available
Partition coefficient: n-octanol/water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Kinematic (room temperature) <0.07 cm ² /s (<7 cSt) Kinematic (40°C (104°F)) <0.07 cm ² /s (<7 cSt)

Aerosol product

Type of aerosol	: Spray
Heat of combustion	: 0.0000312 kJ/g

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)
Incompatible materials	: No specific data
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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Acetone	LD50 Oral	Rat	5800 mg/kg	-
Xylene	LC50 Inhalation Gas	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m ³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Naphthalene	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	490 mg/kg	-

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetone	Eyes - Mild irritant	Human	-	186300 parts per million	-
	Eyes - Mild irritant	Rabbit	-	10 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
Xylene	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
Toluene	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Eyes - Mild irritant	Rabbit	-	0 5 minutes	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	870 Micrograms	-
	Skin - Mild irritant	Pig	-	24 hours 2 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 250 microliters	-
Medium Aromatic Hydrocarbons Ethylbenzene	Skin - Mild irritant	Rabbit	-	435 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Skin - Moderate irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-
Naphthalene	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
	Skin - Mild irritant	Rabbit	-	495 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 0 05 Milliters	-

Sensitization

Not available

Mutagenicity

Not available

Carcinogenicity

Not available

Classification

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Xylene	-	3	-
Toluene	-	3	-
Ethylbenzene	-	2B	-
Naphthalene	-	2B	Reasonably anticipated to be a human carcinogen

Reproductive toxicity

Not available

Teratogenicity

Not available

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Acetone	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Propane	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Lt Aliphatic Hydrocarbon Solvent	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Xylene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Toluene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Medium Aromatic Hydrocarbons	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Ethylbenzene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Naphthalene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Acetone	Category 2	Not determined	Not determined
Propane	Category 2	Not determined	Not determined
Lt Aliphatic Hydrocarbon Solvent	Category 2	Not determined	Not determined
Xylene	Category 2	Not determined	Not determined
Toluene	Category 2	Not determined	Not determined
Medium Aromatic Hydrocarbons	Category 2	Not determined	Not determined
Ethylbenzene	Category 2	Not determined	Not determined
Naphthalene	Category 2	Not determined	Not determined

Aspiration hazard

Séction 11. Toxicological information

Name	Result
Propane	ASPIRATION HAZARD - Category 1
Lt Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1
Xylene	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
Naphthalene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available

Potential acute health effects

- Eye contact** : Causes serious eye irritation
- Inhalation** : Can cause central nervous system (CNS) depression May cause drowsiness and dizziness May cause respiratory irritation
- Skin contact** : No known significant effects or critical hazards
- Ingestion** : Can cause central nervous system (CNS) depression May be fatal if swallowed and enters airways Irritating to mouth, throat and stomach

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

- General** · May cause damage to organs through prolonged or repeated exposure
- Carcinogenicity** · Suspected of causing cancer Risk of cancer depends on duration and level of exposure
- Mutagenicity** : No known significant effects or critical hazards
- Teratogenicity** : Suspected of damaging the unborn child
- Developmental effects** · No known significant effects or critical hazards
- Fertility effects** · No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	9184.7 mg/kg
Inhalation (gases)	62442 5 ppm

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Acetone	Acute EC50 20 565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4 95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0 016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0 1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus - Larvae	42 days
Lt Aliphatic Hydrocarbon Solvent	Acute LC50 >100000 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio
Acute LC50 13400 µg/l Fresh water		Fish - Pimephales promelas	96 hours
Toluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
Ethylbenzene	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6530 µg/l Fresh water	Crustaceans - Artemia sp - Nauplii	48 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Naphthalene	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute EC50 1600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours

Section 12. Ecological information

	Acute LC50 2350 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 213 µg/l Fresh water	Fish - Melanotaenia fluviatilis - Larvae	96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetone	-	-	Readily
Xylene	-	-	Readily
Toluene	-	-	Readily
Ethylbenzene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Lt Aliphatic Hydrocarbon Solvent	-	10 to 2500	high
Xylene	-	8.1 to 25.9	low
Toluene	-	90	low
Medium Aromatic Hydrocarbons	-	99 to 5780	high
Naphthalene	-	36.5 to 168	low

Mobility in soil






Soil/water partition coefficient (K_{oc}) : 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. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS
Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 	2.1 

Date of issue/Date of revision : 3/13/2015 Date of previous issue : No previous validation Version : 1 13/15

Séction 14. Transport information

Packing group	-	-	-	-	-
Environmental hazards	No	No	No	No	No
Additional information	<u>Special provisions</u> LIMITED QUANTITY	<u>Special provisions</u> LIMITED QUANTITY	<u>Special provisions</u> (ERG#126)	<u>Special provisions</u> LIMITED QUANTITY	<u>Emergency schedules (EmS)</u> LIMITED QUANTITY, F-D, S-U

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code . Not available

Section 15. Regulatory information

U.S. Federal regulations

State regulations

California Prop 65

WARNING This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		4
Physical hazards		1

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

Séction 16. Other information

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.