SAFETY DATA SHEET

SC0603000

Section 1. Identification			
Product name	: SP™603 Blue Layout Dye Aerosol		
Product code	: SC0603000		
Other means of identification	: Not available.		
Product type	: Aerosol.		
Relevant identified uses of	the substance or mixture and uses advised against		
Not applicable.			
Manufacturer	: Sprayon Products Group 101 W. Prospect Avenue, Cleveland, Ohio 44115		
Emergency telephone number of the company	: US / Canada: (216) 566-2917 Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year		
Product Information Telephone Number	: US / Canada: (800) 247-3266 Mexico: Not Available		
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available		
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year		

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 SKIN CORROSION/IRRITATION - Category 2 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) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (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 oral toxicity: 24% Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 84.3%
	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 73%
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Date of issue/Date of revision	: 7/4/2018 Date of previous issue : 8/15/2017 Version : 7 1/20

Date of Issue/Da	ate of revision	1/4/2018	Date of previous issue	: 8/15/2017	version : /	1/20
SC0603000	SP™603 Blue Lay	out Dye Aerosol			SHW-85-NA-GHS-US	

Section 2. Hazards identification

Hazard statements	 Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes skin 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 or dizziness. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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. Pressurized container: Do not pierce or burn, even after use.
Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep 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 ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical 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 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	 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 out of reach of children. 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	≥25 - ≤50	67-64-1
Propane	≥10 - ≤25	74-98-6
Butane	≥10 - ≤25	106-97-8
Toluene	≤10	108-88-3
Diacetone Alcohol	≤5	123-42-2
Ethylene Glycol	≤3	107-21-1
Methyl Ethyl Ketone	≤3	78-93-3
1-Methoxy-2-Propanol Acetate	≤3	108-65-6
Cellulose Nitrate	≤3	9004-70-0
Xylene	≤2.5	1330-20-7
1-Butanol	≤1.9	71-36-3
Med. Aliphatic Hydrocarbon Solvent	<1	64742-88-7
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Section 3. Composition/information on ingredients

Ethylbenzene

≤0.3

100-41-4

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 as hazardous to health 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, 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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 Potential acute health eff	
Eye contact	: Causes serious eye irritation.
Inhalation	 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact	: Causes skin irritation.
Ingestion	: Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
<u>Over-exposure signs/syn</u>	<u>otoms</u>
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
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Section 4. First aid measures

	increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness 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	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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. 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. 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.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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

Section 6. Accidental release measures

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 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 co	ntainment 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. See Section 10 for incompatible materials before handling or use.

Control parameters

SC0603000

SP™603 Blue Layout Dye Aerosol

Occupational exposure limits (OSHA United States)

Ingredient name	Exposure limits
Acetone	ACGIH TLV (United States, 3/2017).
	TWA: 250 ppm 8 hours.
	STEL: 500 ppm 15 minutes.
	NIOSH REL (United States, 10/2016).
	TWA: 250 ppm 10 hours.
	TWA: 590 mg/m ³ 10 hours.
	OSHA PEL (United States, 6/2016).
	TWA: 1000 ppm 8 hours.
	TWA: 2400 mg/m ³ 8 hours.
Propane	NIOSH REL (United States, 10/2016).
	TWA: 1000 ppm 10 hours.
	TWA: 1800 mg/m ³ 10 hours.
	OSHA PEL (United States, 6/2016).
	TWA: 1000 ppm 8 hours.
	TWA: 1800 mg/m ³ 8 hours.
	ACGIH TLV (United States, 3/2017). Oxyge Depletion [Asphyxiant].
Dutana	
Butane	NIOSH REL (United States, 10/2016).
	TWA: 800 ppm 10 hours.
	TWA: 1900 mg/m ³ 10 hours. ACGIH TLV (United States, 3/2017).
	STEL: 1000 ppm 15 minutes.
Teluene	
Toluene	OSHA PEL Z2 (United States, 2/2013).
	TWA: 200 ppm 8 hours.
	CEIL: 300 ppm AMP: 500 ppm 10 minutes.
	NIOSH REL (United States, 10/2016).
	TWA: 100 ppm 10 hours.
	TWA: 100 ppm 10 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 560 mg/m ³ 15 minutes.
	ACGIH TLV (United States, 3/2017).
	TWA: 20 ppm 8 hours.
Diacetone Alcohol	ACGIH TLV (United States, 3/2017).
	TWA: 50 ppm 8 hours.
	TWA: 36 ppm 6 hours.
	NIOSH REL (United States, 10/2016).
	TWA: 50 ppm 10 hours.
	TWA: 240 mg/m ³ 10 hours.
	OSHA PEL (United States, 6/2016).
	TWA: 50 ppm 8 hours.
	TWA: 240 mg/m ³ 8 hours.
Ethylene Glycol	ACGIH TLV (United States, 3/2017).
	STEL: 10 mg/m ³ 15 minutes. Form: Inhalab
	fraction. Aerosol only.
	STEL: 50 ppm 15 minutes. Form: Vapor
	fraction
	TWA: 25 ppm 8 hours. Form: Vapor fraction
Methyl Ethyl Ketone	ACGIH TLV (United States, 3/2017).
	TWA: 200 ppm 8 hours.
	TWA: 590 mg/m ³ 8 hours.
	STEL: 300 ppm 15 minutes.
	STEL: 885 mg/m ³ 15 minutes.
	NIOSH REL (United States, 10/2016).
	TWA: 200 ppm 10 hours.
	TWA: 200 ppm 10 hours. TWA: 590 mg/m ³ 10 hours. STEL: 300 ppm 15 minutes.

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	STEL: 885 mg/m ³ 15 minutes.
	OSHA PEL (United States, 6/2016).
	TWA: 200 ppm 8 hours.
	TWA: 590 mg/m³ 8 hours.
1-Methoxy-2-Propanol Acetate	AIHA WEEL (United States, 10/2011).
	TWA: 50 ppm 8 hours.
Cellulose Nitrate	None.
Xylene	ACGIH TLV (United States, 3/2017).
	TWA: 100 ppm 8 hours.
	TWA: 434 mg/m ³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 651 mg/m ³ 15 minutes.
	OSHA PEL (United States, 6/2016).
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m ³ 8 hours.
1-Butanol	ACGIH TLV (United States, 3/2017).
	TWA: 20 ppm 8 hours.
	NIOSH REL (United States, 10/2016).
	Absorbed through skin.
	CEIL: 50 ppm
	CEIL: 150 mg/m ³
	OSHA PEL (United States, 6/2016).
	TWA: 100 ppm 8 hours.
	TWA: 300 mg/m ³ 8 hours.
Med. Aliphatic Hydrocarbon Solvent	OSHA PEL (United States, 6/2016).
	TWA: 100 ppm 8 hours.
	TWA: 400 mg/m ³ 8 hours.
Ethylbenzene	ACGIH TLV (United States, 3/2017).
	TWA: 20 ppm 8 hours.
	NIOSH REL (United States, 10/2016).
	TWA: 100 ppm 10 hours.
	TWA: 435 mg/m ³ 10 hours. STEL: 125 ppm 15 minutes.
	STEL: 125 ppm 15 minutes. STEL: 545 mg/m ³ 15 minutes.
	OSHA PEL (United States, 6/2016).
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m ³ 8 hours.

Occupational exposure limits (Canada)

Ingredient name	Exposure limits
Acetone	 CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 1200 mg/m³ 8 hours. 15 min OEL: 1800 mg/m³ 15 minutes. 8 hrs OEL: 500 ppm 8 hours. 15 min OEL: 750 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. CA Ontario Provincial (Canada, 7/2015). TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes. CA Quebec Provincial (Canada, 1/2014). TWAEV: 500 ppm 8 hours. STEV: 1190 mg/m³ 8 hours. STEV: 1000 ppm 15 minutes. STEV: 1000 ppm 15 minutes. STEV: 2380 mg/m³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013).
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	STEL: 750 ppm 15 minutes.
	TWA: 500 ppm 8 hours.
Propane	CA Alberta Provincial (Canada, 4/2009).
	8 hrs OEL: 1000 ppm 8 hours.
	CA British Columbia Provincial (Canada,
	6/2017).
	TWA: 1000 ppm 8 hours.
	CA Quebec Provincial (Canada, 1/2014).
	TWAEV: 1000 ppm 8 hours.
	TWAEV: 1800 mg/m ³ 8 hours. CA Ontario Provincial (Canada, 7/2015).
	TWA: 1000 ppm 8 hours. CA Saskatchewan Provincial (Canada,
	7/2013).
	STEL: 1250 ppm 15 minutes.
	TWA: 1000 ppm 8 hours.
Butane	CA Alberta Provincial (Canada, 4/2009).
	8 hrs OEL: 1000 ppm 8 hours.
	CA British Columbia Provincial (Canada,
	6/2017).
	TWA: 600 ppm 8 hours.
	STEL: 750 ppm 15 minutes.
	CA Quebec Provincial (Canada, 1/2014).
	TWAEV: 800 ppm 8 hours.
	TWAEV: 1900 mg/m ³ 8 hours.
	CA Ontario Provincial (Canada, 7/2015).
	TWA: 800 ppm 8 hours. CA Saskatchewan Provincial (Canada,
	7/2013).
	,
	STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.
Toluene	CA Alberta Provincial (Canada, 4/2009).
	Absorbed through skin.
	8 hrs OEL: 50 ppm 8 hours.
	8 hrs OEL: 188 mg/m ³ 8 hours.
	CA British Columbia Provincial (Canada,
	6/2017). TM/A: 20 mm 0 hours
	TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015).
	TWA: 20 ppm 8 hours.
	CA Quebec Provincial (Canada, 1/2014).
	Absorbed through skin.
	TWAEV: 50 ppm 8 hours.
	TWAEV: 36 ppm 6 hours.
	CA Saskatchewan Provincial (Canada,
	7/2013). Absorbed through skin.
	STEL: 60 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
Disectors Alcohol	
Diacetone Alcohol	CA Alberta Provincial (Canada, 4/2009).
	8 hrs OEL: 50 ppm 8 hours. 8 hrs OEL: 238 mg/m ³ 8 hours.
	CA British Columbia Provincial (Canada,
	6/2017).
	TWA: 50 ppm 8 hours.
	CA Ontario Provincial (Canada, 7/2015).
	TWA: 50 ppm 8 hours.
	CA Quebec Provincial (Canada, 1/2014).
	TWAEV: 50 ppm 8 hours.
	TWAEV: 238 mg/m ³ 8 hours.
	CA Saskatchewan Provincial (Canada,
	7/2013).
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ethanediol	STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2017).
	C: 100 mg/m ³ Form: Aerosol TWA: 10 mg/m ³ 8 hours. Form: Particulate STEL: 20 mg/m ³ 15 minutes. Form: Particulate
	C: 50 ppm Form: Vapour CA Ontario Provincial (Canada, 7/2015). C: 100 mg/m ³ Form: Aerosol only.
	CA Saskatchewan Provincial (Canada, 7/2013).
	CEIL: 100 mg/m ³ Form: aerosol CA Alberta Provincial (Canada, 4/2009).
	C: 100 mg/m ³ CA Quebec Provincial (Canada, 1/2014). STEV: 50 ppm 15 minutes. Form: vapour and mist STEV: 127 mg/m ³ 15 minutes. Form: vapour
Methyd Ethyd Katono	and mist
Methyl Ethyl Ketone	CA Alberta Provincial (Canada, 4/2009). 15 min OEL: 300 ppm 15 minutes. 8 hrs OEL: 200 ppm 8 hours. 8 hrs OEL: 590 mg/m ³ 8 hours. 15 min OEL: 885 mg/m ³ 15 minutes. CA British Columbia Provincial (Canada, 6/2017).
	TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. CA Ontario Provincial (Canada, 7/2015).
	TWA: 200 ppm 8 hours. STEL: 300 ppm 15 minutes. CA Quebec Provincial (Canada, 1/2014).
	TWAEV: 50 ppm 8 hours. TWAEV: 150 mg/m ³ 8 hours. STEV: 100 ppm 15 minutes.
	STEV: 300 mg/m ³ 15 minutes. CA Saskatchewan Provincial (Canada,
	7/2013). STEL: 300 ppm 15 minutes.
	TWA: 200 ppm 8 hours.
Xylene	CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 100 ppm 8 hours. 15 min OEL: 651 mg/m ³ 15 minutes. 15 min OEL: 150 ppm 15 minutes. 8 hrs OEL: 434 mg/m ³ 8 hours.
	CA British Columbia Provincial (Canada, 6/2017).
	TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes.
	CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours.
	TWAEV: 434 mg/m ³ 8 hours. STEV: 150 ppm 15 minutes.
	STEV: 651 mg/m ³ 15 minutes.
	CA Ontario Provincial (Canada, 7/2015). STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
	CA Saskatchewan Provincial (Canada, 7/2013).
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	STEL: 150 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
1-Butanol	CA Alberta Provincial (Canada, 4/2009).
	8 hrs OEL: 60 mg/m ³ 8 hours.
	8 hrs OEL: 20 ppm 8 hours.
	CA British Columbia Provincial (Canada,
	6/2017).
	TWA: 15 ppm 8 hours.
	C: 30 ppm
	CA Ontario Provincial (Canada, 7/2015).
	TWA: 20 ppm 8 hours.
	CA Quebec Provincial (Canada, 1/2014).
	Absorbed through skin.
	STEV: 50 ppm 15 minutes.
	STEV: 152 mg/m ³ 15 minutes.
	CA Saskatchewan Provincial (Canada,
	7/2013).
	STEL: 30 ppm 15 minutes.
	TWA: 20 ppm 8 hours.
Ethylbenzene	CA Alberta Provincial (Canada //2009)
Ethylbenzene	CA Alberta Provincial (Canada, 4/2009).
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada,
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017).
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015).
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014).
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m ³ 8 hours.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m ³ 8 hours. STEV: 125 ppm 15 minutes.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m ³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m ³ 15 minutes.
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m ³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m ³ 15 minutes. CA Saskatchewan Provincial (Canada,
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m ³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m ³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013).
Ethylbenzene	8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m ³ 8 hours. 15 min OEL: 543 mg/m ³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA British Columbia Provincial (Canada, 6/2017). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m ³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m ³ 15 minutes. CA Saskatchewan Provincial (Canada,

Occupational exposure limits (Mexico)

ngredient name	Exposure limits				
Acetone	NOM-010-STPS-2014 (Mexico, 4/2016).				
	TWA: 500 ppm 8 hours.				
	STEL: 750 ppm 15 minutes.				
ropane	NOM-010-STPS-2014 (Mexico, 4/2016).				
	TWA: 1000 ppm 8 hours.				
utane	NOM-010-STPS-2014 (Mexico, 4/2016).				
	TWA: 1000 ppm 8 hours.				
bluene	NOM-010-STPS-2014 (Mexico, 4/2016).				
	TWA: 20 ppm 8 hours.				
acetone Alcohol	NOM-010-STPS-2014 (Mexico, 4/2016).				
hanadial	TWA: 50 ppm 8 hours.				
hanediol	NOM-010-STPS-2014 (Mexico, 4/2016).				
ethyl Ethyl Ketone	CEIL: 100 mg/m ³ Form: Only AEROSOL NOM-010-STPS-2014 (Mexico, 4/2016).				
	TWA: 200 ppm 8 hours.				
	STEL: 300 ppm 15 minutes.				
ylene	NOM-010-STPS-2014 (Mexico, 4/2016).				
,	STEL: 150 ppm 15 minutes.				
	TWA: 100 ppm 8 hours.				
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603000 SP™603 Blue Layout Dye Aerosol	SHW-85-NA-GHS-US				

1-Butanol	NOM-010-STPS-2014 (Mexico, 4/2016). Absorbed through skin.
Ethylbenzene	TWA: 20 ppm 8 hours. NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 20 ppm 8 hours.

Appropriate engineering controls Environmental exposure 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. 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 measu	res
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	: 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.

Section 9. Physical and chemical properties

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Flash point	: Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]			
Boiling point/boiling range	: Not available.			
Melting point/freezing point	: Not available.			
рН	: Not available.			
Odor threshold	: Not available.			
Odor	: Not available.			
Color	: Not available.			
Physical state	: Liquid.			
<u>Appearance</u>				

Section 9. Physical and chemical properties

Evaporation rate	: 5.6 (butyl acetate = 1)
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Lower: 1% Upper: 15.3%
Vapor pressure	: 101.3 kPa (760 mm Hg) [at 20°C]
Vapor density	: 1.55 [Air = 1]
Relative density	: 0.73
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): <0.205 cm ² /s (<20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Type of aerosol	: Spray
Heat of combustion	: 30.886 kJ/g
(flammable) limits Vapor pressure Vapor density Relative density Solubility Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature Viscosity Molecular weight <u>Aerosol product</u> Type of aerosol	 101.3 kPa (760 mm Hg) [at 20°C] 1.55 [Air = 1] 0.73 Not available. Not available. Not available. Kinematic (40°C (104°F)): <0.205 cm²/s (<20.5 cSt) Not applicable. Spray

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	-
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
Toluene	LC50 Inhalation Vapor	Rat	49 g/m³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Diacetone Alcohol	LD50 Dermal	Rabbit	13500 mg/kg	-
	LD50 Oral	Rat	2520 mg/kg	-
Ethylene Glycol	LD50 Oral	Rat	4700 mg/kg	-
Methyl Ethyl Ketone	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 Oral	Rat	2737 mg/kg	-
1-Methoxy-2-Propanol Acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	8532 mg/kg	-
Cellulose Nitrate	LD50 Oral	Rat	>5 g/kg	-
Xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
1-Butanol	LC50 Inhalation Vapor	Rat	24000 mg/m ³	4 hours
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Section 11. Toxicological information				
Ethylbenzene	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

Irritation/Corrosion

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	_
	Skin - Mild irritant	Rabbit		24 hours 500	
	Skin - Mild Initant	Rabbit	-		
	Chip Mild instant	Dabbit		milligrams	
	Skin - Mild irritant	Rabbit	-	395	-
				milligrams	
Foluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-
				100	
				milligrams	
	Eyes - Mild irritant	Rabbit	-	870	-
	,			Micrograms	
	Eyes - Severe irritant	Rabbit	-	24 hours 2	_
	Lycs ocvere initiant	1 (abbit		milligrams	
	Skin Mild irritant	Dia			
	Skin - Mild irritant	Pig	-	24 hours 250	-
				microliters	
	Skin - Mild irritant	Rabbit	-	435	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	500	-
		1 (abbit		milligrams	
Diacetone Alcohol	Eyes - Severe irritant	Rabbit		20 milligrams	
			-		-
	Eyes - Severe irritant	Rabbit	-	24 hours 100	-
				microliters	
	Skin - Mild irritant	Rabbit	-	500	-
				milligrams	
Ethylene Glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
, , , , , , , , , , , , , , , , , , ,	,			milligrams	
	Eyes - Mild irritant	Rabbit	-	1 hours 100	_
		1 (abbit		milligrams	
	Even Mederate irritent	Dahhit		6 hours 1440	
	Eyes - Moderate irritant	Rabbit	-		-
				milligrams	
	Skin - Mild irritant	Rabbit	-	555	-
				milligrams	
Vethyl Ethyl Ketone	Skin - Mild irritant	Rabbit	-	24 hours 14	-
5				milligrams	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
Xylene	Eyes - Mild irritant	Rabbit		87 milligrams	
- yielle			-		
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				milligrams	
	Skin - Mild irritant	Rat	-	8 hours 60	-
				microliters	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
I-Butanol	Eyes - Severe irritant	Rabbit	_	24 hours 2	_
		Debbit		milligrams	
	Eyes - Severe irritant	Rabbit	-	0.005 Mililiters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				milligrams	
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500	-
•		1	1	1	1

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Section 11. Toxicological information Skin - Mild irritant Rabbit milligrams 24 hours 15 milligrams

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Toluene	-	3	-
Xylene	-	3	-
Ethylbenzene	-	2B	-

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
Butane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Toluene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Diacetone Alcohol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Ethylene Glycol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Methyl Ethyl Ketone	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Xylene	Category 3	Not applicable.	Respiratory tract irritation
1-Butanol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Med. Aliphatic Hydrocarbon Solvent	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

Specific target organ toxicity (repeated exposure)

Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Acetone	Category 2	Not determined	Not determined
Propane	Category 2	Not determined	Not determined
Butane	Category 2	Not determined	Not determined
Toluene	Category 2	Not determined	Not determined
Diacetone Alcohol	Category 2	Not determined	Not determined
Ethylene Glycol	Category 2	Not determined	Not determined
Methyl Ethyl Ketone	Category 2	Not determined	Not determined
Xylene	Category 2	Not determined	Not determined
1-Butanol	Category 2	Not determined	Not determined
Med. Aliphatic Hydrocarbon Solvent	Category 1	Not determined	Not determined
Ethylbenzene	Category 2	Not determined	Not determined

Aspiration hazard

Name	Result
Propane	ASPIRATION HAZARD - Category 1
Butane	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1
Xylene	ASPIRATION HAZARD - Category 1
Med. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	ot available.	
Potential acute health effe		
Eye contact	auses serious eye irritation.	
Inhalation	an cause central nervous system (CNS) depression. May cause drowsin izziness. May cause respiratory irritation.	ess or
Skin contact	auses skin irritation.	
Ingestion	an cause central nervous system (CNS) depression. May be fatal if swal nters airways.	lowed and
Symptoms related to the p	cal, chemical and toxicological characteristics	
Eye contact	dverse symptoms may include the following: ain or irritation ratering edness	
Inhalation	dverse symptoms may include the following: espiratory tract irritation oughing ausea or vomiting eadache rowsiness/fatigue izziness/vertigo nconsciousness educed fetal weight icrease in fetal deaths keletal malformations	
Skin contact	dverse symptoms may include the following: ritation edness educed fetal weight acrease in fetal deaths keletal malformations	

In	a	0	c	fi	0	n
	У	C	9	u	U	

: Adverse symptoms may include the following: nausea or vomiting reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate eff	fects 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 ef	<u>fects</u>
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	3647.4 mg/kg	
Dermal	9903.1 mg/kg	
Inhalation (gases)	95586.1 ppm	

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Acetone	Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 6900 mg/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 0.1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
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
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
Diacetone Alcohol	Acute LC50 420000 µg/l Marine water	Fish - Menidia beryllina	96 hours
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Section 12. Ecological information				
Ethylene Glycol	Acute LC50 6900000 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours	
	Acute LC50 41000000 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours	
	Acute LC50 8050000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
Methyl Ethyl Ketone	Acute EC50 >500000 µg/l Marine water	Algae - Skeletonema costatum	96 hours	
	Acute EC50 5091000 µg/l Fresh water	Daphnia - Daphnia magna - Larvae	48 hours	
	Acute LC50 3220000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
Cellulose Nitrate	Acute EC50 579000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours	
Xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours	
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
1-Butanol	Acute EC50 1983000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours	
	Acute LC50 1730000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
Ethylbenzene	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	
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours	

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
Acetone	-	-	Readily	
Toluene	-	-	Readily	
Ethylene Glycol	-	-	Readily	
Methyl Ethyl Ketone	-	-	Readily	
Xylene	-	-	Readily	
1-Butanol	-	-	Readily	
Ethylbenzene	-	-	Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Toluene	-	90	low
Xylene	-	8.1 to 25.9	low

Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

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.

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Section 13. Disposal considerations

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ΙΑΤΑ	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
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2. 13-2.17 (Class 2).	-	-	<u>Emergency</u> <u>schedules</u> F-D, S U
	ERG No.	ERG No.	ERG No.		
	126	126	126		
Special precautior	consid mode suitab prior t respo unloa subst	der container sizes. T of transport (sea, air ly for that mode of tra o shipment, and com nsibility of the person ding dangerous good ances and on all actio	he presence of a sl , etc.), does not ind ansport. All packagi pliance with the app offering the product s must be trained o	nipping description icate that the prod ng must be review blicable regulations at for transport. Per n all of the risks de	uct is packaged ed for suitability s is the sole ople loading and
Fransport in bulk a to Annex II of MAR the IBC Code		aliadie.			
	Ship ty	r shipping name rpe on category	 Not available. Not available. Not available. 		

Section 15. Regulatory information

SARA 313

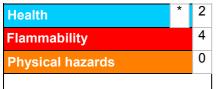
SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

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.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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 and the associated label are not required on SDSs or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE AEROSOLS - Category 1	On basis of test data
GASES UNDER PRESSURE - Compressed gas	Calculation method
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION (Unborn child) - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1	Calculation method Calculation method

<u>History</u>	
Date of printing	: 7/4/2018
Date of issue/Date of revision	: 7/4/2018
Date of previous issue	: 8/15/2017
Version	: 7
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 = Internediate 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) UN = United Nations

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. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. 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

Section 16. Other information

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.