



Herkules Equipment Corporation  
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 www.herkules.us

## SAFETY DATA SHEET SC01 & SC06 Sparkle Clean

### SECTION 1 – CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Family Name: SC01 1qty Sparkle Clean  
 SC06 6qty Sparkle Clean  
 Application: paint clean up  
 Manufacturer/Supplier: Herkules Equipment Corporation  
 Emergency Phone Number: 734-721-5930

### SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:  
 Skin corrosion/irritation: Category 2  
 Serious eye damage/eye irritation: Category 2A  
 Reproductive Toxicity: Category 2  
 Specific target organ toxicity (single exposure): Category 3  
 Specific target organ toxicity (repeated exposure): Category 2  
 Aspiration toxicity: Category 1  
 Flammable aerosols: Category 1  
 Gases under press: Compressed Gas

#### Hazard Statements:

Causes skin irritation  
 Causes serious eye irritation  
 Suspected of damaging fertility or the unborn child.  
 May cause damage to organs (Blood, Central Nervous System, Eyes, Hematopoietic System, Kidney, Liver, Respiratory System, Skin, and reproductive System) through prolonged or repeated exposure.  
 May be fatal if swallowed and enters the airways  
 Extremely Flammable Aerosol  
 Contains gas under pressure; may explode if heated.

#### Hazard Symbols:



#### 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/eye protection/face protection; Wash face, hand and any exposed skin thoroughly after handling;  
 Do not breathe dust/fume/gas/mist/vapors/spray; Use only outdoors or in well-ventilated area; Keep away from heat/sparks/open flames/hot surfaces- No smoking; Do not spray on an open flame or other ignition source;  
 Pressurized container; do not pierce or burn, even after use.



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Response: If exposed or concerned; Get medical advice/attention; Specific treatment (see first aid on the label); IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If Inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If SWALLOWED: Immediately call a poison center/doctor. Do NOT Induce vomiting.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight, Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC): None.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	Weight (Percent) *
Acetone	67-64-1	40-50
Toluene	108-88-3	20-30
Propane/Isobutane/N-Butane	68476-86-8	10-20
Petroleum Distillates	64742-89-8	1-10
Methyl Acetate	79-20-9	1-10
2-Butoxyethanol	111-76-2	1-10
Isopropyl Alcohol	67-63-0	1-10
Ethylene Glycol	107-21-1	<0.1
Ethyl Benzene	100-41-4	<0.1
Benzene	71-43-2	<0.1
Methanol	67-56-1	<0.1
Acetaldehyde	75-07-0	<0.1

\*The specific identity and/or percentage of composition has been withheld as a trade secret.

### SECTION 4 – FIRST AID MEASURES

General: Causes skin and eye irritation. May cause respiratory irritation. May cause dizziness or drowsiness. Harmful if swallowed and enters airways. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

Skin: Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician.

Notes to Physician: Provide general supportive measures and treat symptomatically.



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## **SECTION 5 – FIRE FIGHTING MEASURES**

Suitable Extinguishing Media: Water fog, Carbon Dioxide (CO<sub>2</sub>), Foam, Dry Chemical. Cool Tanks/containers with water spray.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Special Exposure Hazards: Extremely flammable/Flammable. Keep product and empty container away from heat and sources of ignition.

### Explosion Data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: Yes.

Special Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Personal Precautionary Measures: Use with adequate ventilation to keep exposure levels below the OELS.

Environmental Precautionary Measures: Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

### Procedure for Cleaning/Absorption

Methods for containment: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

## **SECTION 7 – HANDLING AND STORAGE**

Handling Precautions: Avoid contact with eyes.

Avoid breathing vapors or mists.

Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition.

Keep can away from all sources of electricity such as electric motors and batteries.

Do no spray on hot surfaces.

Storage Information: Keep container tightly closed in a dry and well-ventilated place.

Keep away from open flames, hot surfaces, and sources of ignition.

Keep in properly labeled containers.

Keep out of the reach of children.

Store locked up.

Incompatible products: Strong acids, alkalis, oxidizing agents.

Aerosol Level: 3



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**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetone fiber industry It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
Propane/Isobutane/ N-Butane 68476-86-8	74-98-6 TWA: 1000 ppm 106-97-8 STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6 TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	74-98-6 IDLH 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> 106-97-8 TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup> 75-28-5: TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Methyl Acetate 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m <sup>3</sup>	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m <sup>3</sup> STEL: 250 ppm STEL: 760 mg/m <sup>3</sup>
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Ethylene Glycol 107-21-1	Ceiling: 100 mg/m <sup>3</sup> aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	
Ethyl Benzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>



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Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzene 71-43-2	STEL: 2.5 ppm TWA: 0.5 ppm Skin- potential significant contribution to overall exposure by the cutaneous route	TWA: 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028 TWA: 1 ppm (vacated) TWA: 10 ppm unless specified in 1910.1028 (vacated) STEL: 50 ppm 10 min unless specified in 1910.1028 (vacated) Ceiling: 25 ppm unless specified in 1910.1028 Ceiling 25 ppm STEL: 5 ppm see 29 CFR 1910.1028	IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm Skin- potential significant contribution to overall exposure by the cutaneous route	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>
Acetaldehyde 75-07-0	Ceiling: 25 ppm	TWA: 200 ppm TWA: 360 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWO 180 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 270 mg/m <sup>3</sup>	IDLH: 2000 ppm

ACGIH: (American Conference of Governmental Industrial Hygienists)  
 OSHA: (Occupational Safety & Health Administration)  
 NIOSH IDLH: Immediately Dangerous to Life and Health

Other Exposure Guidelines – Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F. 2d 962 (11<sup>th</sup> Cir., 1992).

Other Precautions: Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment

Eye/Face Protection: Safety glasses with side shields.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current regulations.

Skin and Body Protection: Chemical resistant apron. Protective gloves.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Aerosol	Evaporation rate: No information available
Appearance: Clear	Flammability (solid, gas): No information available
Color: Colorless	Specific Gravity: 0.783
Odor: Solvent	Water solubility: Practically insoluble
Boiling point range	Partition coefficient: n-octanol/water
Flash Point: -96.4 °C / - 141 ° F (based on propellant)	VOC Content (%): 48.87



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**SECTION 10 – STABILITY AND REACTIVITY**

Reactivity: No data available  
 Chemical Stability: Stable under recommended storage conditions.  
 Possibility of Hazardous Reactions: None under normal processing.  
 Conditions to Avoid: Extremes of temperature and direct sunlight.  
 Incompatibility (Materials to Avoid): Strong acids, alkalis, oxidizing agents.  
 Hazardous Decomposition Products: Carbon oxides, Hydrocarbons, Fumes.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Principle Route of Exposure: Eye or skin contact, inhalation  
 Symptoms Related to the Physical, Chemical and Toxicological Characteristics  
 Eye Contact: Irritating to eyes.  
 Ingestion: Harmful and may be fatal if swallowed and enters airways and lungs.  
 Inhalation: Avoid inhaling vapors or mists. May cause irritation to respiratory system.  
 Skin Contact: Irritating to skin.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone (67-64-1)	=5800 mg/kg (Rat)	-	=50100 mg/m <sup>3</sup> (Rat) 8 h
Toluene (108-88-3)	=2600 mg/kg (Rat)	=12000 mg/kg (Rabbit)	=12.5 mg/L (Rat) 4 h
Propane/Isobutane/N-Butane (68476-86-8)	-	-	=31mg/l (Rat) 4 h
Petroleum Distillates (64742-89-8)	-	=300 mg/kg (Rabbit)	-
Methyl Acetate (79-20-9)	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h
2-Butoxyethanol (111-76-2)	=470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Isopropyl Alcohol (67-63-0)	=1870 mg/kg (Rat)	=4059 mg/kg (Rabbit)	=72600 mg/m <sup>3</sup> (Rat) 4 h
Ethylene Glycol (107-21-1)	=4700 mg/kg (Rat)	=10600 mg/kg (Rat)	-
Ethyl Benzene (100-41-4)	=3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	=17.2 mg/L (Rat) 4 h
Benzene (71-43-2)	=800 mg/kg (Rat)	> 8200 mg/kg (Rabbit)	= 44.66 mg/L (Rat) 4 h
Methanol (67-56-1)	=6200 mg/kg (Rat)	-	=22500 ppm (Rat) 8 h
Acetaldehyde (75-07-0)	=660 mg/kg (Rat)	-	=13000 ppm (Rat) 4 h

Information on toxicological effects

Symptoms: Causes skin and eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.  
 Harmful and may be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure.

Skin corrosion /irritation Irritating to the skin.  
 Eye damage/irritation Irritating to the eyes.  
 Irritation Causes skin and eye irritation. May cause respiratory irritation.  
 Sensitization No information available.  
 Germ cell mutagenicity. Not a germ cell mutagen.  
 Carcinogenicity The table that follows indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene (108-88-3)	-	Group 3	-	-
2-Butoxyethanol (111-76-2)	-	Group 3	-	-
Ethyl Benzene (100-41-4)	A3	Group 2B	-	-
Benzene (71-43-2)	A1	Group 1	Known	X
Acetaldehyde (75-07-0)	A2	Group 2B	Reasonably Anticipated	X

**ACGIH: American Conference of Governmental Industrial Hygienists**

A3 – Animal Carcinogen

**IARC: International Agency for Research on Cancer**

Group 3 – Not Classifiable as to Carcinogenicity in Humans

Group 1 – Carcinogenic to Humans

**OSHA: Occupational Safety & Health Administration**

X- Present



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Toxicity Tests

Specific target organ systemic toxicity (single exposure): May cause respiratory irritation. May cause drowsiness or dizziness.

Specific target organ systemic toxicity (repeated exposure): May cause damage to blood, central nervous system, eyes, Hematopoietic system, kidney, liver, respiratory system, skin and reproductive system through prolonged or repeated use.

Chronic toxicity: intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. May cause adverse liver effects.

Reproductive/Developmental Toxicity: Product is or contains a chemical which is a known or suspected reproductive hazard.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Numerical measures of toxicity – Product information

Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	11142 mg/kg
ATEmix (dermal)	7485 mg/kg
ATEmix (inhalation-dust/mist)	35.6 mg/l
ATEmix (inhalation-vapor)	71 mg/l

**SECTION 12 – ECOLOGICAL INFORMATION**

Persistence/Degradability: Not determined

Bio-accumulation:

<u>Chemical Name</u>	<u>log Pow</u>
Acetone (67-64-1)	-0.24
Toluene (108-88-3)	2.7
Propane/Isobutane/N-Butane (68476-86-8)	<=2.8
Methyl Acetate (79-20-9)	0.18
2-Butoxyethanol (111-76-2)	0.81
Isopropyl Alcohol (67-63-0)	0.05
Ethylene Glycol (107-21-1)	-1.93
Ethyl Benzene (100-41-4)	3.2
Benzene (71-43-2)	2.1
Methanol (67-56-1)	-0.77
Acetaldehyde (75-07-0)	0.5

Ecotoxicological Information

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
Acetone (67-64-1)	-	4.74-6.33 mL/LC50 Oncorhynchus mykiss 96 h 6210-8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	10294-17704 mg/L EC50 Daphnia magna 48h Static 12600-12700 mg/L EC50 Daphnia magna 48h
Toluene (108-88-3)	433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static	15.22-19.05 mg/L LC50 Pimephales promelas 96h flow-through 12.6 mg/L LC50 Pimephales promelas 96h static 5.89-7.81 mg/LC50 Oncorhynchus mykiss 96h flow-through 14.1-17.16 mg/L LC50 Oncorhynchus mykiss 96h static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 11.0-15.0_	5.46-9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h

(continued)



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Ecotoxicological Information (continued)

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Toluene (continued)		mg/L LC50 <i>Lepomis macrochirus</i> 96h static 54 mg/L LC50 <i>Oryzias latipes</i> 96h static 28.2 mg/L LC50 <i>Poecilia reticulata</i> 96H semi-static 50.87-70.34 mg/L LC50 <i>Poecilia reticulata</i> 96h static	
Propane/Isobutane/ N-Butane (68476-86-8)	-	-	-
Petroleum Distillates (64742-89-8)	4700 mg/L EC50 <i>Pseudokirchneriella subcapitata</i> 72h	-	-
Methyl Acetate (79-20-9)	120 mg/L EC50 <i>Desmodesmus subspicatus</i> 72h	295-348 mg/L LC50 <i>Pimephales promelas</i> 96h flow-through 250-350 mg/L LC50 <i>Brachydanio rerio</i> 96h static	1026.7 mg/L EC50 <i>Daphnia magna</i> 48h
2-Butoxyethanol (111-76-2)	-	1490 mg/L LC50 <i>Lepomis macrochirus</i> 96h static 2950 mg/L LC50 <i>Lepomis macrochirus</i> 96h	1000 mg/L EC50 <i>Daphnia magna</i> 48h
Isopropyl Alcohol (67-63-0)	1000 mg/L EC50 <i>Desmodesmus subspicatus</i> 96h 1000 mg/L EC50 <i>Desmodesmus subspicatus</i> 72h	9640 mg/L LC50 <i>Pimephales promelas</i> 96h flow-through 11130 mg/L LC50 <i>Pimephales promelas</i> 96h static 1400000 µg/L LC50 <i>Lepomis macrochirus</i> 96h	13299 mg/L EC50 <i>Daphnia magna</i> 48h
Ethylene Glycol (107-21-1)	6500-13000 mg/L EC50 <i>Pseudokirchneriella subcapitata</i> 96h	41000 mg/L LC50 <i>Oncorhynchus mykiss</i> 96h 14-18 mL/L LC50 <i>Oncorhynchus mykiss</i> 96h static 27540 mg/L LC50 <i>Lepomis macrochirus</i> 96h static 40761 mg/L LC50 <i>Oncorhynchus mykiss</i> 96h static 40000-60000 mg/L LC50 <i>Pimephales promelas</i> 96h static 16000 mg/L LC50 <i>Poecilia reticulata</i> 96h static	46300 mg/L EC50 <i>Daphnia magna</i> 48h





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Ecotoxicological Information (continued)

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Ethyl Benzene (100-41-4)	4.6 mg/L EC50 Pseudokirchneriella subcapitata 72h 438 mg/L EC50 Pseudokirchneriella subcapitata 96h 2.6-11.3 mg/L EC50 Pseudokirchneriella subcapitata 72 static 1.7-7.6 mg/L EC50 Pseudokirchneriella subcapitata 96h static	11.0-18.0 mg/L LC50 Oncorhynchus mykiss 96h static 4.2 mg/L LC50 Oncorhynchus mykiss 96h semi-static 7.55-11 mg/L LC50 Pimephales promelas 96h flow-through 32 mg/L LC50 Lepomis macrochirus 96 static 9.1-15.6 mg/L LC50 Pimephales promelas 96h static 9.6 mg/L LC50 Poecilia reticulata 96h static	1.8-2.4 mg/L EC50 Daphnia magna 48h
Benzene (71-43-2)	29 mg/L EC50 Pseudokirchneriella subcapitata 72h	10.7-14.7 mg/L LC50 Pimephales promelas 96h flow-through 5.3 mg/L LC50 Oncorhynchus mykiss 96h flow-through 22.49 mg/L LC50 Lepomis macrochirus 96h static 28.6 mg/L LC50 Poecilia reticulata 96h static 22330-41160 µg/L Pimephales promelas 96h static 70000-142000 µg/L Lepomis macrochirus 96h static	8.76-15.6 mg/L EC50 Daphnia magna 48h Static 10 mg/L EC50 Daphnia magna 48h
Methanol (67-56-1)	-	28200 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Pimephales promelas 96h static 19500-20700 mg/L LC50 Oncorhynchus mykiss 96h flow-through 18-20 mg/L LC50 Oncorhynchus mykiss 96h static 13500-17600 mg/L LC50 Lepomis macrochirus 96h flow-through	-
Acetaldehyde (75-07-0)	-	28.0-34.0 mg/L LC50 Pimephales promelas 96h flow-through 53 mg/L LC50 Lepomis macrochirus 96h static 1.8-2.4 mg/L LC50 Oncorhynchus mykiss 96h static 39.8-46.8 mg/L LC50 Pimephales promelas 96h static	3.64-6.15 mg/L EC50 Daphnia magna 48h static 48.3 mg/L EC50 Daphnia magna 48h

The chemicals above have no measurable toxicity to microorganisms.



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**SECTION 13 – DISPOSAL CONSIDERATIONS**

Disposal Method: This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging: Do not re-use empty containers. Follow all applicable national or local regulations.

**SECTION 14 – TRANSPORT INFORMATION**

Ground Transportation

DOT – CONSUMER COMMODITY ORM-D

or

LIMITED QUANTITY

Air Transportation

IATA – UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG – UN1950, AEROSOLS, 2.1, LTD. QTY.

**SECTION 15 – REGULATORY INFORMATION**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIC
Acetone	X	X	X	X	X	X	X	X
Toluene	X	X	X	X	X	X	X	X
Propane/Isobutane/ N-Butane	X	X	X	X	X	X	X	X
Petroleum Distillates	X	X	X	NOT LISTED	X	X	X	X
Methyl Acetate	X	X	X	X	X	X	X	X
2-Butoxyethanol	X	X	X	X	X	X	X	X
Isopropyl Alcohol	X	X	X	X	X	X	X	X
Ethylene Glycol	X	X	X	X	X	X	X	X
Ethyl Benzene	X	X	X	X	X	X	X	X
Benzene	X	X	X	X	X	X	X	X
Methanol	X	X	X	X	X	X	X	X
Acetaldehyde	X	X	X	X	X	X	X	X

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) inventory*

*DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS – European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances*

*ENCS – Japan Existing and New Chemical Substances*

*IECSC – China Inventory of Existing Chemical Substances*

*KECL – Korean Existing Inventory of Chemicals and Chemical Substances*

*PICCS – Philippines Inventory of Chemicals and Chemical Substances*

*AICS – Australian Inventory of Chemical Substances*



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U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulation, Part 372:

Chemical Name	CAS-No.	Weight%	SARA 313 – Threshold Values %
Toluene - 108-88-3	108-88-3	23.8137	1.0
2-Butoxyethanol - 111-76-2	111-76-2	4.21836	1.0
Isopropyl Alcohol - 67-63-0	67-63-0	1.70439	1.0
Ethylene Glycol - 107-21-1	107-21-1	<0.1	1.0
Ethyl Benzene - 100-41-4	100-41-4	<0.1	0.1
Benzene - 71-43-2	71-43-2	<0.1	0.1
Methanol - 67-56-1	67-56-1	<0.1	1.0
Acetaldehyde - 75-07-0	75-07-0	<0.1	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA-Reportable Quantities	CWA – Toxic Pollutants	CWA- Priority Pollutants	CWA-Hazardous Substances
Toluene 108-88-3	1000 lbs.	X	X	X
Ethyl Benzene 100-41-4	1000 lbs.	X	X	X
Benzene 71-43-2	10 lbs.	X	X	X
Acetaldehyde 75-7-0	1000 lbs.			X

CERCLA

This material, as supplied does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	RQ
Acetone 67-64-1	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Toluene 108-88-3	1000 lb 1 lb	RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Ethylene Glycol 107-21-1	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Ethyl Benzene 100-41-4	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ
Benzene 71-43-2	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ
Methanol 67-56-1	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Acetaldehyde 75-07-0	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ



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U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:



This product can expose users to chemicals including those listed below, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

Chemical Name	California Prop. 65
Toluene 108-88-3	Developmental 20-30%
Ethylene Glycol 107-21-1	Developmental <0.1%
Ethyl Benzene 100-41-4	Cancer 1-10%
Benzene 71-43-2	Cancer/Developmental <0.1%
Methanol 67-56-1	Developmental <0.1%
Acetaldehyde 75-07-0	Cancer <0.1%

U.S. State Right to Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X		X
Toluene 108-88-3	X	X	X
Petroleum Distillates 64742-89-8			X
Methyl Acetate 79-20-9	X	X	X
2-Butoxyethanol 111-76-2	X	X	X
Isopropyl Alcohol 67-63-0	X	X	X
Ethylene Glycol 107-21-1	X	X	X
Ethyl Benzene 100-41-4	X	X	X
Benzene 71-43-2	X	X	X
Methanol 67-56-1	X	X	X
Acetaldehyde 75-07-0	X	X	X

EPA Pesticide Registration Number: Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.



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**SECTION 16 - OTHER INFORMATION**

<u>NFPA</u>	Health Hazard	2	Flammability	4	Instability	0	Physical and chemical hazards	–
<u>HMS</u>	Health Hazard	2	Flammability	4	Physical Hazard	1	Personal protection	B

DISCLAIMER: All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, express or implied, is made by Herkules as to this information, or as to the safety, toxicity or effect of the use of this product.

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