

SECTION 1: Identification of the sub	ostance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: Clean Plus
Product code	: 9852
	stance or mixture and uses advised against
Use of the substance/mixture	: Carpet Cleaner
1.3. Details of the supplier of the safety	data sheet
Crestek Cleaning Center, Inc. 1161 Kapiolani Blvd. Honolulu, HI 96814 T 1-(808) 942-2500	
1.4. Emergency telephone number	
Emergency number	: CHEMTEL: 800-255-3924
SECTION 2: Hazards identification	
2.1. Classification of the substance or n	nixture
Classification (GHS-US) Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Dam. 1 H318	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
	GHS02 GHS05
Signal word	: Danger
Hazard statements	: Flammable liquid and vapor.
	Causes skin irritation.
	Causes serious eye damage.
Precautionary statements	: Keep away from heat, hot surfaces, open flames, sparks No smoking. Keep container tightly closed.
	Ground/bond container and receiving equipment.
	Use explosion-proof lighting, ventilating, electrical equipment.
	Use only non-sparking tools.
	Take precautionary measures against static discharge.
	Wash hands and forearms thoroughly after handling.
	Wear eye protection, protective clothing, protective gloves.
	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	Wash with plenty of soap and water.
	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Immediately call a POISON CENTER or doctor/physician.
	If skin irritation occurs: Get medical advice/attention.
	Take off contaminated clothing and wash before reuse.
	In case of fire: Use alcohol resistant foam, BC-powder, carbon dioxide (CO2), sand to extinguish.
	Store in a well-ventilated place. Keep cool.
	Dispose of contents/container in accordance with Local, State, and Federal regulations.

Safety Data Sheet

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No additional information available 2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

(NOTE: If component displays the * (asterisk) symbol, the following statement applies.)

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
2-propanol	(CAS No) 67-63-0	10 - 15	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
2-butoxyethanol	(CAS No) 111-76-2	1 - 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
sodium xylenesulfonate	(CAS No) 1300-72-7	1 - 5	Skin Irrit. 2, H315 STOT SE 3, H335
alcohols, C9-11, ethoxylated	(CAS No) 68439-46-3	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
alcohol alkoxylate*		1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
tetrasodium ethylenediaminetetracetate	(CAS No) 64-02-8	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
potassium hydroxide	(CAS No) 1310-58-3	1 - 5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318

(NOTE: If component displays the * (asterisk) symbol, the following statement applies.)

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: If skin irritation or rash occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation persists, get medical attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the gastric/intestinal mucosa. Irritation of the oral mucous membranes. Nausea.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol-resistant foam. BC powder. Carbon dioxide. Sand/earth. Dry chemical powder.

Safety Data Sheet

Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from th	e substance or mixture
Fire hazard	: Flammable liquid and vapor.
Reactivity	: Reacts with (some) halogen compounds. Reacts with (strong) oxidizers. Reacts with (some) acids.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: No additional information available.
SECTION 6: Accidental release n	neasures
6.1. Personal precautions, protectiv	e equipment and emergency procedures
General measures	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Isolate from fire, if possible, without unnecessary risk. Use special care to avoid static electric charges.
6.1.1. For non-emergency personnel	
Protective equipment	: Protective goggles.
	Protective gloves.
	Protective clothing.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters.	Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for conta	inment and cleaning up
For containment	: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Heating: dilute combustible gas/vapor with water curtain.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collec spillage. Store away from other materials. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal protection.	
SECTION 7: Handling and storage	e

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.	
Precautions for safe handling	: Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Observe normal hygiene standards. Provide good ventilation in process area to prevent formation of vapor. Take precautions against electrostatic charges. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.	
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and forearms thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.	
7.2. Conditions for safe storage, including any incompatibilities		
Technical measures	: Provide local exhaust or general room ventilation. Take precautionary measures against static discharge. Comply with applicable regulations.	
Incompatible products	: Strong acids. Oxidizing agent.	
Storage area	: Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-propanol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm

Safety Data Sheet

2-propanol (67-63-0)		
ACGIH	ACGIH STEL (ppm)	200 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
OSHA	OSHA PEL (STEL) (mg/m³)	1225 mg/m ³
OSHA	OSHA PEL (STEL) (ppm)	500 ppm

2-butoxyethanol (111-76-2)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	ACGIH STEL (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	97 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	20 ppm

potassium hydroxide (1310-58-3)		
ACGIH	ACGIH Ceiling (mg/m³)	2 mg/m³
OSHA	OSHA PEL (TWA) (mg/m³)	2 mg/m ³

8.2. Exposure controls	
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.
Other information	: When using, do not eat, drink or smoke.
Appropriate engineering controls	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical an	nd chemical properties
Physical state	: Liquid
Color	: Clear brown
Odor	: Floral
Odor threshold	: No data available
PH	: 13 - 14
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: >100 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
√apor pressure	: No data available
Vapor density	: No data available
Specific Gravity @ 77º F	: 1.010 - 1.030
Solubility	: Soluble in water.
Partition Coefficient n-Octanol-Water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
/iscosity	: No data available

Safety Data Sheet

9.2.	Other information		
VOC co	ontent	: < 140 g/I CARB VOC	
SECT	ION 10: Stability and re	activity	
10.1.	Reactivity		
Reacts	Reacts with (some) halogen compounds. Reacts with (strong) oxidizers. Reacts with (some) acids.		
10.2.	Chemical stability		
Stable	Stable under recommended conditions.		
10.3.	. Possibility of hazardous reactions		
Not est	ablished.		
10.4.	Conditions to avoid		

Extremely high or low temperatures. Heat. Open flame. Sparks.

10.5. Incompatible materials

Strong acids. Oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Sulfur oxides.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity	: Not classified	
2-propanol (67-63-0)		
LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)	
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)	
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)	
ATE US (oral)	5045.000 mg/kg body weight	
ATE US (dermal)	12870.000 mg/kg body weight	
ATE US (vapors)	73.000 mg/l/4h	
ATE US (dust, mist)	73.000 mg/l/4h	
sodium xylenesulfonate (1300-72-7)		
LD50 oral rat	3346 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
ATE US (oral)	3346.000 mg/kg body weight	
2-butoxyethanol (111-76-2)		
LD50 oral rat	530 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 1746 mg/kg bodyweight; Rat; Experimental value)	
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)	
LD50 dermal rabbit	435 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity; 435 mg/kg bodyweight; Rabbit; Weight of evidence; Equivalent or similar to OECD 402)	
LC50 inhalation rat (mg/l)	2.17 mg/l/4h (Rat; Experimental value; 2.35 mg/l/4h; Rat; Experimental value)	
LC50 inhalation rat (ppm)	450-486,Rat; Weight of evidence	
ATE US (oral)	530.000 mg/kg body weight	
ATE US (dermal)	435.000 mg/kg body weight	
ATE US (gases)	700.000 ppmV/4h	
ATE US (vapors)	2.170 mg/l/4h	
ATE US (dust, mist)	2.170 mg/l/4h	
alcohols, C9-11, ethoxylated (68439-46-3)		
LD50 oral rat	1378 mg/kg (Rat)	
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)	
ATE US (oral)	1378.000 mg/kg body weight	
potassium hydroxide (1310-58-3)		
LD50 oral rat	333 mg/kg (Rat; Equivalent or similar to OECD 425; Experimental value)	
ATE US (oral)	333.000 mg/kg body weight	
tetrasodium ethylenediaminetetracetate (64-0)2-8)	
LD50 oral rat	> 2000 mg/kg (Rat)	
Product Code:9852	EN (English US) Page 5 of 10	

Safety Data Sheet

tetrasodium ethylenediaminetetracetate (64	-02-8)
ATE US (oral)	500.000 mg/kg body weight
alcohol alkoxylate	
LD50 oral rat	> 2000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
	pH: 13 - 14
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 13 - 14
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
2-propanol (67-63-0)	
IARC group	3 - Not Classifiable
2-butoxyethanol (111-76-2)	
IARC group	3 - Not Classifiable
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated	: Not classified
exposure)	
Aspiration hazard	: Not classified
Potential Adverse human health effects and	: Based on available data, the classification criteria are not met
symptoms	
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the
	gastric/intestinal mucosa. Irritation of the oral mucous membranes. Nausea.
SECTION 12: Ecological information	
12.1. Toxicity	
2-propanol (67-63-0)	
LC50 fish 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)

EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)	
Threshold limit algae 1	> 1000 mg/I (72 h; Scenedesmus subspicatus; Growth rate)	
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)	
sodium xylenesulfonate (1300-72-7)		
LC50 fish 1	> 1580 mg/l (Rainbow trout)	
EC50 Daphnia 1	> 1020 mg/l	
ErC50 (algae)	758 mg/l	
NOEC chronic algae	240 mg/l	
2-butoxyethanol (111-76-2)		
LC50 fish 1	116 ppm (96 h; Cyprinodon variegatus; Nominal concentration)	
EC50 Daphnia 1	1700 mg/l (48 h; Daphnia sp.; Nominal concentration)	
LC50 fish 2	1341 ppm (96 h; Lepomis macrochirus)	
EC50 Daphnia 2	1720 mg/l (24 h; Daphnia magna)	
TLM fish 1	100 - 1000,96 h; Pisces	
TLM other aquatic organisms 1	100 - 1000,96 h	
Threshold limit algae 1	900 mg/l (168 h; Scenedesmus quadricauda)	
Threshold limit algae 2	35 mg/l (192 h; Microcystis aeruginosa)	

Safety Data Sheet

LGS0 fab.1 5.7 mg1 (Ranbow rout) ESS0 Daphnia 1 2.5 mg1 Detassium hydroxide (1310-58-3) LGS0 fab.1 > 28.6 mg1 (96 h; Paces; Lethal) LGS0 fab.1 80 pgm (24 h; Gambusia afinis) TLM fab.1 TLM fab.1 80 pgm (24 h; Gambusia afinis) TLM fab.1 LGS0 fab.1 121 mg1 (96 h; Leponis macrochirus; Soft water) ECS0 Daphnia 1 LGS0 fab.1 122 mg1 (24 h; Caphnia magna) LGS0 fab.1 LGS0 fab.1 252 mg1 (24 h; Caphnia magna) LGS0 fab.1 LGS0 fab.1 252 mg1 (24 h; Caphnia magna) LGS0 fab.1 LGS0 fab.2 374 - 732 mg1 (96 h; Leponis macrochirus; PH > 7) Thresholl limi algae 1 > 100 mg1 (72 h; Scenedesmus subgicatus; Growth) alcohal alkoyyato = Parsistence and degradability Readity biodsgnadabile in the soll Biodsgnadabile in the soll Biodsgnadabile. Biochemical oxygen demand (GOD) 1.18 g Q 29 g substance Chemical oxygen demand (GOD) 2.23 g Q/g substance Parsistence and degradability Readity biodsgnadable in water. no data available. Biochemical oxygen demand (GOD) 2.20 g Q/g substance Off ig Q_2/g substance <	alcohols, C9-11, ethoxylated (68439-46-3)		
potassium hydroxide (1310-58-3) > 28.6 mg/l (66 h; Pisces; Lethal) LCS0 fish 1 > 28.6 mg/l (66 h; Pisces; Lethal) LCS0 fish 1 80 pg/l (66 h; Leponis macrochirus; Soft water) LCS0 fish 1 121 mg/l (66 h; Leponis macrochirus; Soft water) LCS0 fish 1 625 mg/l (24 h; Daphnia magna) LCS0 fish 2 374 - 732 mg/l (96 h; Leponis macrochirus; pH > 7) Threshold limit algae 1 > 100 mg/l (72 h; Scenedesmus subspicatus; Growth) atchal alkoyoyate - ECS0 Daphnia 1 > 100 mg/l (72 h; Scenedesmus subspicatus; Growth) atchal alkoyoyate - Persistence and degradability Readily biodegradable in water, Biodegradable in the soil. Biodegradable in the soil Biodegradable in the soil Microsoftance available. Biochemical oxygen demand (BOD) 1.19 g O2/g substance Chemical oxygen demand (COD) 2.23 g O2/g substance BOD (% of ThOD) 0.49 % ThOD Soldmary kylenesulfonate (1300-72-7) Persistence and degradability Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (BOD) 0.71 g O2/g substance ThOD 2.30 g O2/g substance	LC50 fish 1	5.7 mg/l (Rainbow trout)	
LCS0 fish 1 > 28.6 mpl (06.h; Pisces; Lethial) LCS0 fish 2 80 mgl (Gambusia affinis) TLM fish 1 80 ppm (24 h; Gambusia affinis) ECS0 fish 1 121 mgl (06 h; Leponis macrochirus; Soft water) ECS0 fish 1 82 mgl (24 h; Daphnia magna) LCS0 fish 1 374 - 732 mgl (86 h; Leponis macrochirus; Soft water) ECS0 Daphnia 1 625 mgl (24 h; Daphnia magna) LCS0 fish 2 374 - 732 mgl (86 h; Leponis macrochirus; Soft water) ECS0 Daphnia 1 500 mgl (72 h; Scenedesmus subspicatus; Growth) atcoha lakoxylate - ECS0 Daphnia 1 > 100 mgl (72 h; Scenedesmus subspicatus; Growth) atcoha lakoxylate - EC30 Daphnia 1 > 100 mgl (72 h; Scenedesmus subspicatus; Growth) atcoha lakoxylate - EC30 Daphnia 1 > 100 mgl (72 h; Scenedesmus subspicatus; Growth) atcoha mader degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in uters anaecobic conditions. No (test) data on mobility of the substance available. Biochemical oxygen demand (COD) 2.33 g O2/g substance Bool (* of ThOD) 0.49 w TOD Soluta xytene Eddity biodegradable in water. Biodegradable i	EC50 Daphnia 1	2.5 mg/l	
LCS0 Bis 2 80 mg/t (Cambusia affinis) TLM fish 1 80 ppn (24 h: Cambusia affinis) LCS0 fish 1 121 mg/t (94 h: Leponis macrochirus; Soft water) LCS0 fish 1 121 mg/t (96 h: Leponis macrochirus; Soft water) LCS0 fish 2 374 - 792 mg/t (96 h: Leponis macrochirus; Growth) LCS0 fish 2 374 - 792 mg/t (96 h: Leponis macrochirus; Growth) LCS0 Taphica 1 > 100 mg/t (72 h: Scenedesmus subspicatus; Growth) ECS0 Daphinia 1 > 100 mg/t ECS0 Daphinia 1 > 100 mg/t 2.2 Perposit (76-50-) Persistence and degradability Persistence and degradability Readity biologmadabia water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available. Biochemical oxygen demand (COD) 2.23 g O2/g substance Chemical oxygen demand (COD) 2.40 g O2/g substance BOD (% of ThOD) 0.49 % ThOD Softmar Vetenesultonate (1300-72-7) Persistence and degradability Persistence and degradability Readity biodegradabie in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (COD) 0.71 g O2/g substance DO (% of ThOD) 0.31 % ThOD </td <td>potassium hydroxide (1310-58-3)</td> <td></td>	potassium hydroxide (1310-58-3)		
TLM fish 1 80 ppm (24 h; Gambusia affinis) tetrasodum ethylenediamineteracetae (64-02-8) LCS0 fish 1 121 mg/ (86 h; Leponis macrochirus; Soft water) ECS0 Daphnia 1 625 mg/ (24 h; Daphnia magna) LCS0 fish 2 374 - 728 mg/ (26 h; Leponis macrochirus; Soft water) ECS0 Daphnia 1 > 100 mg/ (27 h; Scenedesmus subspicatus; Growth) alcohol alkoxylate ECS0 Daphnia 1 ECS0 Daphnia 1 > 100 mg/ ECS0 Daphnia 1 > 100 mg/ Persistence and degradability Readity biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available. Biochemical oxygen demand (COD) 2.32 g O2/g substance ThoD 2.40 g O2/g substance BoD (% of ThOD) 0.49 % ThOD Sodum xylenesulforate (1300-72-7) Persistence and degradability Readity biodegradable in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (COD) 2.40 g O2/g substance Persistence and degradability Readity biodegradable in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (COD) 0.71 g O2/g substance Persistence and degradability Readity biodegradable in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (COD) 0.71 g O2/g substa	LC50 fish 1	> 28.6 mg/l (96 h; Pisces; Lethal)	
tetrasodium ethylenediaminetetracetate (94-92-8) LCS0 fish 1 121 mg/ (96 h; Lepomis macrochirus; Soft water) ECS0 Daphnia 1 625 mg/ (24 h; Daphnia magra) LCS0 fish 2 374 - 782 mg/ (96 h; Lepomis macrochirus; pH > 7) Threshold limit algae 1 > 100 mg/ (72 h; Scenedesmus subspicatus; Growth) actorial alkoxylate ECS0 Daphnia 1 Persistence and degradability > 100 mg/ 22. Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available. Biochemical oxygen demand (COD) 2.40 g O2/g substance Chemical oxygen demand (COD) 2.40 g O2/g substance BOD (% of ThOD) 0.49 % ThOD Sodium xylenesulfonate (1300-72-7) Persistence and degradability Persistence and degradability Readily biodegradability in water: no data available. 2-butoxyethanol (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (COD) 2.20 g O2/g substance Photogetabality Persistence and degradability Readily biodegradable in water. <td>LC50 fish 2</td> <td>80 mg/l (Gambusia affinis)</td>	LC50 fish 2	80 mg/l (Gambusia affinis)	
LCS0 fish 1 121 mg/ (96 h; Leponis macrochirus; Soft water) ECS0 Daphnia 1 625 mg/ (24 h; Daphnis macrochirus; Soft water) ECS0 haphnia 1 9100 mg/l (72 h; Scenedesmus subspicatus; Growth) alcohol alkoxylate 2000 mg/l (72 h; Scenedesmus subspicatus; Growth) ECS0 Daphnia 1 >100 mg/l 22.7 Persistence and degradability 2000 mg/l Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available. Biochemical oxygen demand (BOD) 1.19 g O2/g substance Chemical oxygen demand (BOD) 2.40 g O2/g substance Soft ThOD 2.40 g O2/g substance Soft ThOD 0.49 % ThOD Softmix Jenesultonate (1300-72-7) Persistence and degradability Persistence and degradability Biodegradability in water: no data available. 2-butoxygethanol (111-76-2) Persistence Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air. Biochemical oxygen demand (COD) 0.71 g O2/g substance Chemical oxygen demand (COD) 2.30 g O2/g substance ThOD 2.30 g O2/g substance Biochemical oxygen	TLM fish 1	80 ppm (24 h; Gambusia affinis)	
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BOD (% of ThOD) Not applicable tetrasodium ethylenediaminetetracetate (64-02-8) Persistence and degradability Not readily biodegradable in water. Biochemical oxygen demand (BOD) < 0.002 g O2/g substance	Chemical oxygen demand (COD)	Not applicable	
tetrasodium ethylenediaminetetracetate (64-02-8) Persistence and degradability Not readily biodegradable in water. Biochemical oxygen demand (BOD) < 0.002 g O2/g substance	ThOD	Not applicable	
tetrasodium ethylenediaminetetracetate (64-02-8) Persistence and degradability Not readily biodegradable in water. Biochemical oxygen demand (BOD) < 0.002 g O2/g substance	BOD (% of ThOD)	Not applicable	
Persistence and degradability Not readily biodegradable in water. Biochemical oxygen demand (BOD) < 0.002 g O2/g substance			
Biochemical oxygen demand (BOD) < 0.002 g O2/g substance	· · · ·		
Chemical oxygen demand (COD) 0.54 - 0.58 g O2/g substance			
	Chemical oxygen demand (COD)	0.54 - 0.58 g O ₂ /g substance	

12.3. Bioaccumulative potential

2-propanol (67-63-0)		
Log Pow	0.05 (Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
sodium xylenesulfonate (1300-72-7)		
Bioaccumulative potential	No bioaccumulation data available.	
Product Code:9852	EN (English US)	Page 7 of 10

Safety Data Sheet

2-butoxyethanol (111-76-2)	
Log Pow	0.81 (Experimental value; BASF test; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
alcohols, C9-11, ethoxylated (68439-46-3)	
Bioaccumulative potential	No bioaccumulation data available.
potassium hydroxide (1310-58-3)	
Bioaccumulative potential	Bioaccumulation: not applicable.
tetrasodium ethylenediaminetetracetate (64-	02-8)
Log Pow	-2.6
Bioaccumulative potential	Bioaccumulation: not applicable.
12.4. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Waste disposal recommendations	: Dispose of contents/container in accordance with Local, State, and Federal regulations.
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN Number	
UN-No.(DOT)	: 1993
Other information	: Under 49 CFR 173.150(f)(1): This product may be reclassed as a combustible liquid. DOT
	requirements for packaging, labeling, and shipping do not apply to combustible liquids in NON-
	BULK packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant. This provision does not apply to transportation by vessel or aircraft,
	except where other means of transportation is impracticable.
14.2. UN proper shipping name	
DOT Proper Shipping Name	: UN1993, Flammable Liquids, N.O.S. (2-Propanol, 2-Butoxyethanol), 3, PGIII
Hazard labels (DOT)	: 3 - Flammable liquid

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

2-propanol (67-63-0)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard	
sodium xylenesulfonate (1300-72-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	
2-butoxyethanol (111-76-2)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard	

Safety Data Sheet

alcohols, C9-11, ethoxylated (68439-46-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	
potassium hydroxide (1310-58-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
RQ (Reportable quantity, section 101(14) of CERCLA as published on EPA's List of Lists) :	1000 lb	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	
tetrasodium ethylenediaminetetracetate (64-02-8)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	
alcohol alkoxylate		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	

15.2. International regulations

CANADA

EU-Regulations No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Prop 65 Comments

:Formaldehyde (CAS#50-00-0): < 40 ppm

SECTION 16: Other information

Abbreviations Legend:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H290	May be corrosive to metals
H302	Harmful if swallowed
H311	Toxic in contact with skin

Safety Data Sheet

H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE 1-(808) 942-2500

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