

Safety Data Sheet

Issue Date: 17-Sep-2026

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Version 1

1. IDENTIFICATION

Product identifier

Product Name Kleen-Pak High Pressure

Other means of identification

SDS # SS-101

Recommended use of the chemical and restrictions on use

Recommended use Highly concentrated/high pressure detergent.

Details of the supplier of the safety data sheet

Supplier Address

Kleen-Rite Corp.
257 9th Street
PO Box 886
Columbia, PA 17512
Phone: 717-684-6721
Toll-free: 800-233-3873
Fax: 800-466-0495

Emergency telephone number

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, amber liquid

Physical state Liquid

Odor Bubble gum

Classification

Acute toxicity - Dermal	Category 4
Skin sensitization	Category 1
Reproductive toxicity	Category 2

Label elements



Signal word

Warning

Hazard statements

Harmful in contact with skin.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

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 and face protection.

Avoid breathing dust, fume, gas, mist, vapors and spray.

Contaminated work clothing must not be allowed out of the workplace.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Other Information

Very toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Alpha Olefin Sulfonate	68439-57-6	15-40
Ethylene Glycol Monobutyl Ether	111-76-2	1-5
Methyl salicylate	119-36-8	0.1-1
Ethyl acetate	141-78-6	0.1-1
d-Limonene	5989-27-5	0.1-1
Citral	5392-40-5	<0.1
Formaldehyde	50-00-0	<0.1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures****General Advice**

If exposed or concerned: Get medical advice/attention.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation

Remove to fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed**Symptoms**

May be harmful if swallowed. Causes mild skin irritation. Harmful in contact with skin. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.**Specific Hazards Arising from the Chemical**

Not determined.

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.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment as required.

Environmental precautions**Environmental precautions**

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store locked up.

Incompatible Materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ dSk Sdv	TWA: 5 ppm; TWA: 24 mg/m ³ ; IDLH: 700 ppm
Ethyl acetate 141-78-6	TWA: 100 ppm STEL: 200 ppm	TWA: 400 ppm TWA: 1400 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m ³	TWA: 400 ppm; TWA: 1400 mg/m ³ ; IDLH: 2000 ppm
d-Limonene 5989-27-5	TWA: 3 ppm DS	-	-
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor pSk DS	-	-
Formaldehyde 50-00-0	TWA: 0.1 ppm STEL: 0.3 ppm DS RS	TWA: 0.75 ppm (vacated) TWA: 3 ppm unless specified in 1910.1048 STEL: 2 ppm see 29 CFR 1910.1048 (vacated) STEL: 10 ppm 30 min unless specified in 1910.1048 (vacated) Ceiling: 5 ppm unless specified in 1910.1048	TWA: 0.016 ppm; Ceiling: 0.1 ppm 15 min IDLH: 20 ppm

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems. See also Section 4. First Aid Measures.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Avoid contact with eyes. Use safety goggles, safety glasses with side shields or face shields. Refer to [29 CFR 1910.133](#) for eye and face protection regulations.

Skin and Body Protection

Wear suitable protective clothing, chemical-resistant gloves. Refer to [29 CFR 1910.138](#) for appropriate skin and body protection.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. If ventilation is inadequate, use NIOSH-certified, clean, and properly fitted and maintained respirators with organic vapor cartridges. Do not mistakenly use someone else's respirator. Refer to [29 CFR 1910.134](#) for respiratory protection requirements.

General Hygiene Considerations

Handle following good industrial hygiene and safety practices. Do not eat, drink, or smoke when using this product. Wash hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Bubble gum
Appearance	Clear, amber liquid	Odor Threshold	No information available
Color	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8 - 9 (+/-0.05)	
Melting point / freezing point	No information available	
Initial boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (Solid, Gas)	No information available	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Flammability Limit in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapor Pressure	No information available	
Relative vapor density	No information available	
Relative Density	1.0230 (+/-0.003)	
Water Solubility	No information available	
Solubility in other solvents	No information available	
Partition Coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Particle characteristics	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Harmful in contact with skin.

Inhalation Do not inhale.

Ingestion May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alpha Olefin Sulfonate 68439-57-6	= 2220 mg/kg (Rat)	> 740 mg/kg (Rabbit)	> 52 mg/L (Rat) 4 h
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h
Methyl salicylate 119-36-8	= 887 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	= 4000 ppm (Rat) 4 h
Dipropylene Glycol 25265-71-8	= 14850 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	> 2.34 mg/L (Rat) 4 h
d-Limonene 5989-27-5	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
DMDM Hydantoin 6440-58-0	= 2 g/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Benzaldehyde 100-52-7	= 1292 mg/kg (Rat)	> 1250 mg/kg (Rabbit)	< 5 mg/L (Rat) 4 h
Vanillin 121-33-5	= 3978 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	-
Essential Oil 97-53-0	= 1930 mg/kg (Rat)	-	> 2.58 mg/L (Rat) 4 h
Coumarin 91-64-5	> 5000 mg/kg (Rat)	= 293 mg/kg (Rat)	-
Citral 5392-40-5	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	-
Formaldehyde 50-00-0	= 100 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 578 mg/m ³ (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

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

Skin corrosion/irritation Causes mild skin irritation.

Sensitization May cause an allergic skin reaction.

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens". Contains a trace amount formaldehyde.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether 111-76-2	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 3 - Unclassifiable as to carcinogenicity in humans		
d-Limonene 5989-27-5		Group 3 - Unclassifiable as to carcinogenicity in humans		
Essential Oil 97-53-0		Group 3 - Unclassifiable as to carcinogenicity in humans		
Coumarin		Group 3 - Unclassifiable as		

91-64-5		to carcinogenicity in humans		
Citral 5392-40-5	A4 - Not Classifiable as a Human Carcinogen			
Formaldehyde 50-00-0	A1 - Confirmed Human Carcinogen	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATE_{mix} (oral) 3,522.80 mg/kgATE_{mix} (dermal) 1,667.20 mg/kgATE_{mix} (inhalation-dust/mist) 6.70 mg/LATE_{mix} (inhalation-vapor) 29.10 mg/L**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Very toxic to aquatic life.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Alpha Olefin Sulfonate 68439-57-6		LC50: 1.0 - 10.0mg/L (96h, Brachydanio rerio) LC50: =12.2mg/L (96h, Brachydanio rerio)	
Ethylene Glycol Monobutyl Ether 111-76-2		LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	EC50: >1000mg/L (48h, Daphnia magna)
Ethyl acetate 141-78-6		LC50: 220 - 250mg/L (96h, Pimephales promelas) LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss)	EC50: =560mg/L (48h, Daphnia magna)
d-Limonene 5989-27-5		LC50: 0.619 - 0.796mg/L (96h, Pimephales promelas) LC50: =35mg/L (96h, Oncorhynchus mykiss)	
Benzaldehyde 100-52-7		LC50: 10.6 - 11.8mg/L (96h, Oncorhynchus mykiss) LC50: =12.69mg/L (96h, Oncorhynchus mykiss) LC50: 0.8 - 1.44mg/L (96h, Lepomis macrochirus) LC50: 6.8 - 8.53mg/L (96h, Pimephales promelas) LC50: =7.5mg/L (96h, Lepomis macrochirus)	
Vanillin 121-33-5		LC50: 53 - 61.3mg/L (96h, Pimephales promelas) LC50: =88mg/L (96h, Pimephales promelas) LC50: =57mg/L (96h, Pimephales promelas)	
Essential Oil 97-53-0		LC50: =13mg/L (96h, Danio rerio)	
Citral 5392-40-5	EC50: =16mg/L (72h, Desmodesmus subspicatus)		EC50: =7mg/L (48h, Daphnia magna)

	EC50: =19mg/L (96h, <i>Desmodesmus subspicatus</i>)		
Chemical name	Algae/aquatic plants	Fish	Crustacea
Formaldehyde 50-00-0		LC50: 22.6 - 25.7mg/L (96h, <i>Pimephales promelas</i>) LC50: =1510µg/L (96h, <i>Lepomis macrochirus</i>) LC50: =41mg/L (96h, <i>Brachydanio rerio</i>) LC50: 0.032 - 0.226mL/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 100 - 136mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 23.2 - 29.7mg/L (96h, <i>Pimephales promelas</i>)	LC50: =2mg/L (48h, <i>Daphnia magna</i>) EC50: 11.3 - 18mg/L (48h, <i>Daphnia magna</i>)

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Alpha Olefin Sulfonate 68439-57-6	-1.3
Ethylene Glycol Monobutyl Ether 111-76-2	0.81
Methyl salicylate 119-36-8	2.55
Ethyl acetate 141-78-6	0.73
d-Limonene 5989-27-5	4.38
Citral 5392-40-5	2.76
Formaldehyde 50-00-0	0.35

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Disposal methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Ethyl acetate 141-78-6		Included in waste stream: F039		U112
Formaldehyde 50-00-0	U122	Included in waste streams: K009, K010, K038, K040, K156, K157		U122

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical name	California Hazardous Waste Status
Ethyl acetate 141-78-6	Toxic Ignitable
d-Limonene 5989-27-5	Toxic
Formaldehyde 50-00-0	Toxic Ignitable

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Alpha Olefin Sulfonate	X	ACTIVE	X	X	X	X	X	X	X
Cocamidopropyl Hydroxysulfate	X	ACTIVE	X	X		X		X	X
Cocamide DIPA	X	ACTIVE	X			X	X		
Ethylene Glycol Monobutyl Ether	X	ACTIVE	X	X	X	X	X	X	X
Methyl salicylate	X	ACTIVE	X	X	X	X	X	X	X
Ethyl acetate	X	ACTIVE	X	X	X	X	X	X	X
Dipropylene Glycol	X	ACTIVE	X	X	X	X	X	X	X
d-Limonene	X	ACTIVE	X	X	X	X	X	X	X
DMDM Hydantoin	X	ACTIVE	X	X	X	X	X	X	X
Benzaldehyde	X	ACTIVE	X	X	X	X	X	X	X
Vanillin	X	ACTIVE	X	X	X	X	X	X	X
Essential Oil	X	ACTIVE	X	X	X	X	X	X	X
Coumarin	X	ACTIVE	X	X	X	X	X	X	X
Citral	X	ACTIVE	X	X	X	X	X	X	X
Formaldehyde	X	ACTIVE	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 Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Ethyl acetate 141-78-6	5000 lb / 270 kg (final RQ)		RQ 5000 lb final RQ RQ 2270 kg final RQ
Formaldehyde 50-00-0	100 lb / 5.4 kg (final RQ)	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313

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

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	1-5	1.0
Formaldehyde - 50-00-0	50-00-0	<0.1	0.1

CWA (Clean Water Act)

This product contains 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
Formaldehyde	100 lb			X

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Formaldehyde - 50-00-0	Carcinogen

U.S. State Right-to-Know Regulations

This product contains the following State Right-to-Know chemicals:

Chemical name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X
Methyl salicylate 119-36-8			X
Ethyl acetate 141-78-6	X	X	X
Dipropylene Glycol 25265-71-8			X
Benzaldehyde 100-52-7	X	X	X
Formaldehyde 50-00-0	X	X	X

16. OTHER INFORMATION**NFPA**
HMISHealth hazards -
Health hazards -Flammability -
Flammability -Instability -
Physical hazards -Special hazards -
Personal protection -

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Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet