

SAFETY DATA SHEET

1. Identification

Product identifier	SARNA ORIGINAL ANTI-ITCH LOTION STEROID FREE	
Other means of identification		
Synonyms	SARNA ORIGINAL ANTI-ITCH LOTION (WITH CAMPHOR AND MENTHOL) * SARNA ANTI-PRURITIC LOTION * SARNA ANTI-ITCH LOTION * SARNA LOTION * FORMULATION CODE: MF818 * CAMPHOR AND MENTHOL, FORMULATED PRODUCT	
Recommended use	Cosmetic Product	
	This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.	
Recommended restrictions	No other uses are advised.	
Manufacturer/Importer/Supplier/	Distributor information	
Manufacturer		
	Stiefel Laboratories, Inc. (a GSK company) GlaxoSmithKline UK 980 Great West Road Brentford, Middlesex TW8 9GS UK UK General Information (normal business hours): +44-20-8047-5000	
	GlaxoSmithKline US 5 Moore Drive Research Triangle Park, NC 27709 USA US General Information (normal business hours): +1-888-825-5249	
	Email Address: msds@gsk.com Website: www.gsk.com	
	EMERGENCY PHONE NUMBERS - TRANSPORT EMERGENCIES: US / International toll call +1 703 527 3887 available 24 hrs/7 days; multi-language response	

2. Hazard(s) identification

Classified hazards

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Label elements

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Hazard(s) not otherwise classified (HNOC)

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
PHARMACEUTICAL GRADE PETROLATUM	PETROLEUM JELLY VASELINE WHITE PETROLEUM JELLY WHITE PETROLEUM USP PETROLATO (PETROLIO) PETROLATUM PRETOLATO PÉTROLATUM VASELIN	8009-03-8	5 - < 10
CETYL ALCOHOL	1-HEXADECANOL HEXADECYL ALCOHOL N-1-HEXADECANOL N-CETYL ALCOHOL 1-HEXADECYL ALCOHOL CETEARYL ALCOHOL PALMITYL ALCOHOL	36653-82-4	1 - < 3
POLYETHYLENE GLYCOLS	GLYCOLS, POLYETHYLENE ETHYLENE GLYCOL HOMOPOLYMER ETHYLENE GLYCOL POLYMER ETHYLENE OXIDE POLYMER ETHYLENE OXIDE POLYMER ETHYLENE POLYOXIDE ALPHA, OMEGA-HYDROXYPOLY (ETHYLENE OXIDE) POLY(ETHYLENE OXIDES) POLY(ETHYLENE OXIDES) POLY(ETHYLENE ETHER) GLYCOL ALPH-HYDRO-OMEGA-HYDROXY POLY (OXY-1,2-ETHANEDIYL) POLYETHYLENE GLYCOL POLY(VINYL OXIDE) 1,2-ETHANEDIOL, MONOPOLYMER POLYETHYLENE OXIDE OXIRANE POLYMER CARBOWAX PEG C6H6O2 OHS19120 RTECS TQ3500000	25322-68-3	1
STEARIC ACID	1-HEPTADECANECARBOXYLIC ACID OCTADECANOIC ACID STEAROPHANIC ACID N-OCTADECANOIC ACID C18H36O2 OHS21873 RTECS WI2800000	57-11-4	1
CAMPHOR	1,7,7-TRIMETHYL-BICYCLO(2.2.1) HEPTAN-2-ONE ROOT BARK SPIRIT 1,7,7-TRIMETHYLNORCAMPHOR SYNTHETIC CAMPHOR GUM CAMPHOR ROOT BARK OIL SPIRIT OF CAMPHOR	76-22-2	<1
MENTHOL	HEXAHYDROTHYMOL MENTHACAMPHOR MENTHOMENTHOL PEPPERMINT CAMPHOR NATURAL MENTHOL	89-78-1	<1

Chemical name	Common name and synonyms	CAS number	%	
DMDM HYDANTOIN	2,4-IMIDAZOLIDINEDIONE, 1,3-BIS (HYDROXYMETHYL)-5,5-DIMETHYL- 1,3-BIS(HYDROXYMETHYL)-5,5- DIMETHYL-2,4-IMIDAZOLIDINEDIONE HYDANTOIN, 1,3-BIS(HYDROXYMETHYL)- 5,5-DIMETHYL- 1,3-BIS(HYDROXYMETHYL)-5,5- DIMETHYLHYDANTOIN DIMETHYLOL-5,5-DIMETHYLHYDANTOIN DMDMH OHS72467 RTECS MT9191500	6440-58-0	0.2	
SODIUM HYDROXIDE	CAUSTIC SODA SODIUM HYDRATE	1310-73-2	0.1	
Other components below reportable levels			90 - 95	

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. If breathing is difficult, trained personnel should give oxygen. Call a physician if symptoms develop or persist. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if symptoms occur.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting without advice from poison control center.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	No specific antidotes are recommended. Treat according to locally accepted protocols. For additional guidance, refer to the current prescribing information or to the local poison control information center.
General information	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Water. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This product is non-flammable.

6. Accidental release measures

Personal precautions, Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do protective equipment and not touch damaged containers or spilled material unless wearing appropriate protective clothing. emergency procedures Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

GSK Components	Туре	Value	
MENTHOL (CAS 89-78-1)	8 HR TWA	1000 mcg/m3	
US. OSHA Table Z-1 Limits	for Air Contaminants (29 CFR 1910.1000)		
Components	Туре	Value	Form
CAMPHOR (CAS 76-22-2)	PEL	2 mg/m3	
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)	PEL	5 mg/m3	Mist.
SODIUM HYDROXIDE (CAS 1310-73-2)	PEL	2 mg/m3	
US. ACGIH Threshold Limit	Values		
Components	Туре	Value	Form
CAMPHOR (CAS 76-22-2)	STEL	3 ppm	
	TWA	2 ppm	
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)	TWA	5 mg/m3	Inhalable fraction.
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3	
STEARIC ACID (CAS 57-11-4)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide to	o Chemical Hazards		
Components	Туре	Value	Form
CAMPHOR (CAS 76-22-2)	TWA	2 mg/m3	
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3	
US. AIHA Workplace Enviro	onmental Exposure Level (WEEL) Guides		
Components	Туре	Value	Form
POLYETHYLENE GLYCOLS (CAS 25322-68-3)	TWA	10 mg/m3	Particulate.
ogical limit values	No biological exposure limits noted for the ing	redient(s).	
osure guidelines			
ropriate engineering trols	General ventilation normally adequate.		

Individual protection measures, such as personal protective equipment

Eye/face protection	Not normally needed. If contact is likely, safety glasses with side shields are recommended.
Skin protection Hand protection	Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.
Other	Not normally needed. Wear suitable protective clothing as protection against splashing or contamination.
Respiratory protection	No personal respiratory protective equipment normally required. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Lotion.
Color	White.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
10. Stability and reactivity	,

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.Chemical stabilityMaterial is stable under normal conditions.

Prosections No diagenous reaction known under conditions of normal use. Canditions to avoid Context with incompatible materials. Incompatible materials Stong outcling agents. Heardous decomposition products None known. Inflating and/or toxic fumes and gases may be emitted upon the product's decomposition. 11. Toxicological information information on likely routes of exposure Information on likely routes of exposure. Information on expected under normal use. 11. Toxicological information Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Skin context Heath injuries are not known or expected under normal use. Direct contact with eyes may cause temporary initiation. Ingestion Heath injuries are not known or expected under normal use. May be harmful if swallowed. However, ingestion in on tikely to be a primary normal use. May be harmful if swallowed. However, ingestion is not likely to be a primary normal use. May be harmful if swallowed. Components Expected to be a low hazard for usual industrial or commercial handling by trained personnel. Components Species Test Results Condon (CAS 76-22-2) Mouse 1310 mg/kg CETYL ALCOHOL (CAS 38653-82-4) Sumption in the stong stong stong stong stong stong stong stong stog stong stog stog stong stong stong stog stog stong stong stong st				
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LD50 Rat 5 g/kg DDMD HYDANTOIN (CAS 6440-58				
DMDM HYDANTOIN (CAS 6440-58-0) Acute Dermal LD50 Rabbit > 2000 mg/kg Oral 2000 mg/kg LD50 Rat > 2000 mg/kg MENTHOL (CAS 89-78-1) 2000 mg/kg MENTHOL (CAS 89-78-1) Jacute Oral Jacute Jacute Oral Jacute Jacute Oral LD50 Rat 3200 mg/kg PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) Jacute Jacute Oral Jacute Jacute Jacute Oral Kati > 15 g/kg Jacute Oral Kati > 3000 mg/kg, 2 years Jacute Oral Kati Jacute Jacute Jacute Jacute NOAEL Rat > 3000 mg/kg, 2 years Jacute				
Acute Dermal D50 Rabit > 2000 mg/kg Oral > 2000 mg/kg LD50 Rat > 2000 mg/kg MENTHOL (CAS 89-78-1) > 2000 mg/kg PHARMACEUTICAL GRADE PETCLATUM (CAS 8009-03-8) > 2000 mg/kg PHARMACEUTICAL GRADE PETCLATUM (CAS 8009-03-8) > 2000 mg/kg PHARMACEUTICAL GRADE PETCLATUM (CAS 8009-03-8) > 2000 mg/kg Chronic > 2000 mg/kg Oral > 15 g/kg LD50 Rat > 3000 mg/kg, 2 years Oral > 2000 mg/kg, 2 years NOAEL Rat > 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 131U-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V			5 g/kg	
Dermal > 2000 mg/kg LD50 Rabbit > 2000 mg/kg Oral > 2000 mg/kg LD50 Rat > 2000 mg/kg MENTHOL (CAS 89-78-1) > 2000 mg/kg PHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8) > 2000 mg/kg PHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8) > 2000 mg/kg PHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8) > 2000 mg/kg Oral X Y ILD50 Rat > 2000 mg/kg Oral X Y ILD50 Rat > 15 g/kg Oral Y Y NOAEL Rat > 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 131U-TU-TU-TU-TU-TU-TU-TU-TU-TU-TU-TU-TU-TU	DMDM HYDANTOIN (CAS 6440-	58-0)		
LD50Rabit> 2000 mg/kgOral LD50Rat> 2000 mg/kgMENTHOL (CAS 89-78-1)> 2000 mg/kgMENTHOL (CAS 89-78-1)> 2000 mg/kgMENTHOL (CAS 80-78-1)> 2000 mg/kgOral LD50Rat> 2000 mg/kgPHARRMACEUTICAL GRADE PETTOUM (CAS 8009-03-8)> 2000 mg/kgOral NOAELRat> 2000 mg/kgSODIUM HYDROXIDE (CAS 131/-73/-73/-73/-73/-73/-73/-73/-73/-73/-73				
Oral Justicity LD50 Rat > 2000 mg/kg MENTHOL (CAS 89-78-1) Justicity Justicity Acute Justicity Justicity Oral Justicity Justicity PHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8) Justicity Justicity Acute Justicity Justicity Justicity Oral Rat > 15 g/kg Oral Justicity Justicity Oral Rat > 15 g/kg Oral Rat > 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2) Justicity Justicity Acute Justicity Justicity Dermal Justicity Justicity				
LD50 Rat > 2000 mg/kg MENTHOL (CAS 89-78-1):		Rabbit	> 2000 mg/kg	
MENTHOL (CAS 89-78-1) Acute Oral 3200 mg/kg LD50 Rat 3200 mg/kg PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) Acute Solo mg/kg Oral Acute Solo mg/kg Oral Solo mg/kg Solo mg/kg LD50 Rat >15 g/kg Oral Solo mg/kg, 2 years Solo mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2) Solo mg/kg, 2 years Solo mg/kg, 2 years				
Acute Oral LD50Rat3200 mg/kgPHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8)PHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8)Acute Oral LD50Rat> 15 g/kgOral Doral NOAELRatSODIUM HYDROXIDE (CAS 131U-T3-U)> = 3000 mg/kg, 2 yearsAcute Dermal> = 3000 mg/kg, 2 years		Rat	> 2000 mg/kg	
Oral LD50 Rat 3200 mg/kg PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) Acute Oral LD50 Rat > 15 g/kg Oral LD50 Rat > 15 g/kg Oral > > 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2) > > = 3000 mg/kg, 2 years	MENTHOL (CAS 89-78-1)			
LD50 Rat 3200 mg/kg PHARMACEUTICAL GRADE PETRULATUM (CAS 8009-03-8) Acute				
PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) Acute Oral LD50 Rat Chronic Oral NOAEL Rat SODIUM HYDROXIDE (CAS 1310-73-2) Acute Dermal		- /		
Acute - Oral - LD50 Rat > 15 g/kg Chronic - Oral - - NOAEL Rat >= 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2) - - Acute - - Dermal - -			3200 mg/kg	
Oral > 15 g/kg LD50 Rat > 15 g/kg Chronic Oral > 3000 mg/kg, 2 years Oral >= 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2) > Acute Dermal		TROLATUM (CAS 8009-03-8)		
LD50 Rat > 15 g/kg Chronic				
Chronic Oral NOAEL Rat NOAEL Rat SODIUM HYDROXIDE (CAS 1310-73-2) Acute Dermal				
Oral NOAEL Rat >= 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2) Acute Dermal		Rai	> 15 g/kg	
NOAEL Rat >= 3000 mg/kg, 2 years SODIUM HYDROXIDE (CAS 1310-73-2)				
SODIUM HYDROXIDE (CAS 1310-73-2) Acute Dermal		5.	0000 # 0	
Acute Dermal			>= 3000 mg/kg, 2 years	
Dermal		0-73-2)		
LD50 Rabbit 1350 mg/kg				
	LD50	Rabbit	1350 mg/kg	

Components	Species	Test Results
Oral		
LD50	Rat	104 - 340 mg/kg
STEARIC ACID (CAS 57-11-4)		
<u>Acute</u>		
Oral		
LD50	Rat	> 5000 mg/kg
* Estimates for product may b	be based on additional comp	onent data not shown.
Skin corrosion/irritation	Health injuries are not kno	own or expected under normal use.
Corrosivity SODIUM HYDROXI	DE	Literature search
Irritation Corrosion - SI	kin	Result: Causes severe burns.
MENTHOL	NII	0, Literature data
		Result: Irritating to skin Species: Rabbit Notes: IUCLID data
Serious eye damage/eye		own or expected under normal use. Direct contact with eyes may cause
rritation	temporary irritation.	
Eye MENTHOL		0, Literature data
MENTIOE		Result: Mild-moderate
		Species: Rabbit
SODIUM HYDROXI	DE	Literature search Result: Causes severe burns.
		Result. Causes severe burns.
Respiratory or skin sensitizatio		advata d
Respiratory sensitization	No studies have been cor	
Skin sensitization	This product is not expect	ted to cause skin sensitization.
Sensitization		
MENTHOL		Buehler assay, Literature data Result: Negative
		Species: Guinea pig
		Notes: IUCLID data
		Epidemiology, Literature data
		Result: Low incidence of contact hypersensitivity.
		Notes: IUCLID data Modified Draize, Literature data
		Result: Positive
		Species: Guinea pig
		Notes: IUCLID data
		Open repetitive dermal test, Literature data
		Result: Negative Species: Guinea pig
		Notes: IUCLID data
Germ cell mutagenicity	No data available to indica mutagenic or genotoxic.	ate product or any components present at greater than 0.1% are
Mutagenicity	-	
MENTHOL		725 mg/kg In vivo-In vitro Replicative DNA synthesis
		Result: Positive
		Species: Rat
		Alkaline Elution Assay In Vitro, Literature data Result: Negative
		Notes: IUCLID data
		Ames, Literature dataLiterature data
		Result: Negative
		Notes: IUCLID data
		BlueScreen mammalian cell mutation assay, Literature data
		Result: Negative

Mutagenicity		
Mutagenicity MENTHOL		Chromosomal Aberration Assay In Vitro, CHO cells, Literature data Result: Negative Notes: IUCLID data Chromosomal Aberration Assay In Vitro, human lymphocytes, Literature data Result: Negative Notes: IUCLID data GreenScreen mammalian cell mutation assay, Literature dat a Result: Negative Notes: IUCLID data L5178Y mouse lymphoma thymidine kinase locus assay, Literature data Result: Negative Notes: IUCLID data L5178Y mouse lymphoma thymidine kinase locus assay, Literature data Result: Negative Notes: IUCLID data Micronucleus Test, Literature data
		Result: Negative Species: Mouse Notes: IUCLID data Mutation in Drosophila melanogaster, Literature data
		Result: Negative Notes: IUCLID data sister chromatid exchange, Literature data Result: Negative Notes: IUCLID data
Carcinogenicity	Not classifiable as to carcin of occupational exposure.	nogenicity to humans. Carcinogenic effects are not expected as a result
MENTHOL PHARMACEUTICAL GRAD	E PETROLATUM	<= 1000 mg/kg/day, Literature data, dietary study. Result: Negative Species: Rat Test Duration: 103 weeks Notes: IUCLID data <= 2143 mg/kg/day, Literature data, dietary study. Result: Negative Species: Mouse Notes: IUCLID data >= 3000 mg/kg/day 2 year bioassay, oral administration Result: NOAEL Species: Rat Dermal application Result: Negative Species: Mouse
IARC Monographs. Overal Not listed.	I Evaluation of Carcinogenici	ity
	ted Substances (29 CFR 1910	0.1001-1050)
Not regulated. US. National Toxicology P Not listed.	rogram (NTP) Report on Carc	cinogens
Reproductive toxicity	This product is not expected	d to cause reproductive or developmental effects.
Reproductivity MENTHOL		185 mg/kg/day Embryo-foetal development, Literature data Result: NOAEL-Highest dose. Species: Mouse Notes: IUCLID data 218 mg/kg/day Embryo-foetal development - Oral, Literature data Result: NOAEL-Highest dose. Species: Rat Notes: IUCLID data 405 mg/kg/day Embryo-foetal development - Oral, Literature data Result: NOAEL-Highest dose. Species: Hamster
		Notes: IUCLID data

Reproductivity MENTHOL	475 mg/kg/day Embryo-foetal development - Oral, Literature data Result: NOAEL-Highest dose. Species: Rabbit Notes: IUCLID data
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Not established.
Further information	Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

Ecotoxicity Not expected to be harmful to aquatic organisms.

Ecotoxicity	Not expec	ted to be harmful to aquatic organisms.	
Components		Species	Test Results
CAMPHOR (CAS 76-2	22-2)		
Aquatic			
Acute			
Fish	EC50	Fathead minnow (Adult Pimephales promelas)	110 mg/l, 96 hours
CETYL ALCOHOL (C	AS 36653-82-4)		
Aquatic			
Acute			
Algae	EC50	Green algae (Scenedesmus subspicatus)	676 mg/l, 96 hours
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	> 1000 mg/l, 96 hours
		Fathead minnow (Adult Pimephales promelas)	> 500 mg/l, 5 days
SODIUM HYDROXID	E (CAS 1310-73-2)		
Aquatic			
Acute			
Fish	EC50	Mosquito fish (Adult Gambusia affinis)	125 mg/l, 96 hours Static test
		Rainbow trout (Adult Oncorhyncus mykiss)	45.4 mg/l, 96 hours Static test
STEARIC ACID (CAS	57-11-4)		
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 32 mg/l, 47 hours EU Method C.2
Fish	LC0	Carp (Cyprinus carpio)	1000 mg/l, 48 hours OECD 203
* Estimates for produc	ct may be based on	additional component data not shown.	
Persistence and degrada	ability Not availa	ble.	
Photolysis			
	ysis-atmospheric)		
CETYL ALCOHO STEARIC ACID		16.7 Hours Estimated 17 Hours Estimated	
UV/visible spect	rum wavelength	Tr Hours Estimated	
STEARIC ACID	0	210 nm	
Biodegradability Percent degrada	ation (Aerobic biod	egradation-inherent)	
CETYL ALCOHO	•	•	gradation test system, Activated
		sludge	-
STEARIC ACID		30 - 60 %, 5 days BOD 77 %, 28 days BOD	

c biodegradation-ready) 95 %, 22 days Sturm test c biodegradation-soil) 50 %, 13 days
available.
ater (log Kow) 3.4 8.23 8.42
> 9999 Measured > 9999 Estimated
available.
Koc 3.58 - 4.67 Estimated 5.86 Estimated
available.
0.000073 atm m ³ /mol Estimated 0.000015 atm m ³ /mol, 25 C Estimated 0.000051 Estimated available.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Avoid discharge into water courses or onto the ground.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Listed.

14. Transport information

DOT

Not regulated as a dangerous good.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to
Annex II of MARPOL 73/78 and
the IBC CodeNot established.

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

SODIUM HYDROXIDE (CAS 1310-73-2)

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

- US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.
- US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) SODIUM HYDROXIDE (CAS 1310-73-2)

US. Massachusetts RTK - Substance List

CAMPHOR (CAS 76-22-2) PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) SODIUM HYDROXIDE (CAS 1310-73-2)

US. New Jersey Worker and Community Right-to-Know Act

CAMPHOR (CAS 76-22-2) SODIUM HYDROXIDE (CAS 1310-73-2)

US. Pennsylvania Worker and Community Right-to-Know Law

CAMPHOR (CAS 76-22-2) PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8) SODIUM HYDROXIDE (CAS 1310-73-2)

US. Rhode Island RTK

SODIUM HYDROXIDE (CAS 1310-73-2)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	02-18-2016
Revision date	02-18-2016
Version #	06
Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 0 Instability: 0
References	GSK Hazard Determination
Disclaimer	The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.
Revision information	Product and Company Identification: Material Processes Composition / Information on Ingredients: Undisclosed Ingredient Statement Physical & Chemical Properties: Multiple Properties Transport Information: Regulatory Information: United States

No