

1. Identification

Product identifier

NIX DERMAL CREAM

Other means of identification

Synonyms

NIX DERMAL CREAM 5% (CANADA) * NIX DERMAL CREME POUR LA PEAU 5% * NIX CREAM * LOTRIX CREAM * LOXAZOL HYDROFIELE CREME * LYCLEAR CREAM * LYCLEAR DERMAL CREAM * ZALVOR CREAM * PERMETHRIN, FORMULATED PRODUCT

Recommended use

Medicinal 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

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	%
PERMETHRIN	M-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCY CLOPROPANECARBOXY LATE * META-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCY CLOPROPANECARBOXY LATE * 3-(2,2-DICHLOROETHENYL)-2,2-DIMETHY L-CYCLOPROPANECARB OXYLIC ACID (3-PHENOXYPHENYL)METHYL ESTER * 3-PHENOXYBENZYL 2-(2,2-DICHLOROVINYL)-3,3-DIMETHYLCY CLOPROPANE CARBOXYLATE * 3-PHENOXYBENZYL 2,2-DIMETHYL-3-(2,2-DICHLOROVINYL)CY CLOPROPANE CARBOXYLATE * 3-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCY CLOPROPANE CARBOXYLATE * CYCLOPROPANECARBOXYLIC ACID, 3-(2,2-DICHLOROETHENYL)-2,2-DIMETHY L-, (3-PHENOXYPHENYL)METHYL ESTER * M-METHOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCY CLOPROPANE CARBOXYLATE * META-METHOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCY CLOPROPANE CARBOXYLATE * (3-PHENOXYPHENYL)METHYL (+/-)-CIS, TRANS-3-(2,2-DICHLOROETHENYL)-2, 2-DIMETHYLCYCLOPROPANECARBOXYL ATE * 3-(2,2-DICHLOROVINYL)-2,2-DIMÉTHYLCY CLOPROPANECARBOXY LATE DE M-PHÉNOXYBENZYLE * 3-(2,2-DICLOROVINIL)-2,2-DIMETILCICLO PROPANECARBOSSILA TO DI M-FENOSSIBENZILE * 3-(2,2-DICLOROVINIL)-2,2-DIMETILCICLO PROPANOCARBOXILA TO DE M-FENOXIBENCILO * 3-(2,2-DICLOROVINIL)-2,2-DIMETILCICLO PROPANOCARBOXILA TO DE M-FENOXIBENZILO * PERMETHRIN * PERMETRIINI * PERMETRIN * PERMETRINA * PERMETRINE * PERMÉTHRINE * M-FENOXYBENZYL-3-(2,2-DICHLOROVINY L)-2,2-DIMETHYLCYCL OPROPAANCARBOXYLAAT * M-PHENOXYBENZYL-3-(2,2-DICHLORVINY L)-2,2-DIMETHYLCYCL OPROPANCARBOXYLAT	52645-53-1	5
GLYCERYL MONOSTEARATE	OCTADECANOIC ACID, MONOESTER WITH 1,2,3-PROPANETRIOL * GLYCEROL MONOSTEARATE * STEARIC ACID MONOGLYCERIDE * STEARIC MONOGLYCERIDE * CEFATIN	31566-31-1	4.0 - 5.0
GLYCERIN	GLYCEROL * GLYCERIN ANHYDROUS * GLYCERINE * GLYCERITOL * GLYCYL ALCOHOL * 1,2,3-PROPANETRIOL * PROPANETRIOL * GLYROL * GLYSANIN * TRIHYDROXYPROPANE * 1,2,3-TRIHYDROXYPROPANE * OSMOGLYN	56-81-5	2

Chemical name	Common name and synonyms	CAS number	%
POLYOXYETHYLENE (20) SORBITAN MONOOLEATE	HEXAETHYLENE GLYCOL SORBITAN MONOOLEATE * TWEEN 81 * OHS40200 * RTECS WG2932500 * (Z)-MONO-9-OCTADECENOATE SORBITAN, POLY(OXY-1,2-ETHANEDIYL) DERIVS. * SORBITAN, MONOOLEATE, POLYOXYETHYLENE DERVS. * ETHOXYLATED SORBITAN MONOOLEATE * POLYOXYETHYLENESORBITAN OLEATE * POLYSORBATE 80 * SORBITAN MONOOLEATE * TWEEN 80 * ETHYLENE OXIDE-SORBITAN MONOOLEATE POLYMER	9005-65-6	<1.0
FORMALDEHYDE 35% SOLUTION	FORMALIN * FORMIC ALDEHYDE * FORMALIN, (METHANOL-FREE) * METHANAL * METHYL ALDEHYDE * METHYLENE GLYCOL * METHYLENE OXIDE * TETRAOXYMETHYLENE * OXOMETHANE * OXYMETHYLENE * METHALDEHYDE	50-00-0	<0.3
PARAFFIN OIL	LIQUID PARAFFIN * MINERAL OIL * WHITE LIQUID PARAFFIN * LIQUID PETROLATUM * HEAVY MINERAL OIL * WHITE MINERAL OIL * PARAFFIN OILS * OHS17993 * RTECS PY8030000 * AGUARRÁS MINERAL (VAR SOL) * MINERAL SOLVENT (VAR SOL) * NIEBLAS DE ACEITES MINERALES * OIL MIST (MINERAL OIL) * OIL MIST (MINERAL) * OIL, MIST * ÖLJYSUMU	8012-95-1	0.1 - 0.2
2,6-DI-TERT-BUTYL-P-CRESOL	BUTYLATED HYDROXYTOLUENE * 4-METHYL-2,6-DI-TERT-BUTYLPHENOL * BUTYLHYDROXYTOLUENE * DIBUTYLATED HYDROXYTOLUENE * 2,6-DI-TERT-BUTYL-1-HYDROXY-4-METHYLBENZENE * 3,5-DI-TERT-BUTYL-4-HYDROXYTOLUENE * 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYLPHENOL * 2,6-DI-TERT-BUTYL-4-METHYLPHENOL * 2,6-TERT-BUTYL-4-METHYLPHENOL * 2,6-DI-TERT-BUTYL-PARA-CRESOL	128-37-0	<0.1
SODIUM HYDROXIDE	CAUSTIC SODA * SODIUM HYDRATE	1310-73-2	<0.1
Other components below reportable levels			70.0 - 80.0

*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	Take off immediately all contaminated clothing. Immediately flush skin with plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed	The possible consequences of overexposure include: symptoms similar to alcohol intoxication, symptoms of hypersensitivity (such as skin rash, hives, itching).
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 local poison control information centre.

General information Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local risk assessment.

5. Fire-fighting measures

Suitable extinguishing media Water fog. 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 Expected to be non-combustible.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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. Prevent entry into waterways, sewer, basements or confined areas. 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.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Provide adequate ventilation. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities Store locked up. 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	Type	Value
PERMETHRIN (CAS 52645-53-1)	8 HR TWA	200 mcg/m3
POLYOXYETHYLENE (20) SORBITAN MONOOLEATE (CAS 9005-65-6)	OHC	2
	OHC	1
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Components	Type	Value
FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)	STEL	2 ppm
	TWA	0.75 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
PARAFFIN OIL (CAS 8012-95-1)	PEL	5 mg/m3	Mist.
SODIUM HYDROXIDE (CAS 1310-73-2)	PEL	2 mg/m3	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2,6-DI-TERT-BUTYL-P-CR ESOL (CAS 128-37-0)	TWA	2 mg/m3	Inhalable fraction and vapor.
FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)	Ceiling	0.3 ppm	
GLYCERYL MONOSTEARATE (CAS 31566-31-1)	TWA	10 mg/m3	
PARAFFIN OIL (CAS 8012-95-1)	TWA	5 mg/m3	Inhalable fraction.
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
2,6-DI-TERT-BUTYL-P-CR ESOL (CAS 128-37-0)	TWA	10 mg/m3	
FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)	Ceiling	0.1 ppm	
	TWA	0.016 ppm	
PARAFFIN OIL (CAS 8012-95-1)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An Exposure Control Approach (ECA) is established for operations involving this material based upon the OEL/Occupational Hazard Category and the outcome of a site- or operation-specific risk assessment.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Not normally needed.

Hand protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Glove selection must take into account any solvents and other hazards present.

Skin protection**Other**

Not normally needed.

Respiratory protection

No personal respiratory protective equipment normally required.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional. An occupational/industrial hygiene monitoring method has been developed for this material.

9. Physical and chemical properties**Appearance**

Physical state	Liquid.
Form	Cream.
Color	Not available.

Odor	Not available.
Odor threshold	Not available.
pH	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 available.
Upper/lower flammability or explosive 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.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May be harmful if swallowed. Do not ingest. Health injuries are not known or expected under normal use.
Inhalation	Health injuries are not known or expected under normal use.
Skin contact	May be irritating to the skin. Health injuries are not known or expected under normal use.
Eye contact	Health injuries are not known or expected under normal use. May be irritating to eyes. Avoid contact with eyes.

Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation. The possible consequences of overexposure include: symptoms similar to alcohol intoxication, symptoms of hypersensitivity (such as skin rash, hives, itching).
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Information on toxicological effects

Acute toxicity	May be harmful if swallowed. Health injuries are not known or expected under normal use.
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Components	Species	Test Results
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)		
Acute		
<i>Oral</i>		
LD50	Rat	890 mg/kg
GLYCERIN (CAS 56-81-5)		
Acute		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
GLYCERYL MONOSTEARATE (CAS 31566-31-1)		
Acute		
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
PARAFFIN OIL (CAS 8012-95-1)		
Acute		
<i>Oral</i>		
LD50	Mouse	22 g/kg
SODIUM HYDROXIDE (CAS 1310-73-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1350 mg/kg
<i>Oral</i>		
LD50	Rat	104 - 340 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation May be irritating to the skin. Health injuries are not known or expected under normal use.

Serious eye damage/eye irritation May be irritating to eyes. Health injuries are not known or expected under normal use.

Respiratory or skin sensitization

ACGIH sensitization

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0) Sensitizer.

Respiratory sensitization Health injuries are not known or expected under normal use.

Skin sensitization Health injuries are not known or expected under normal use.

Germ cell mutagenicity Health injuries are not known or expected under normal use.

Carcinogenicity Health injuries are not known or expected under normal use. Contains a material (formaldehyde 35% solution) classified as a carcinogen by external agencies.

IARC Monographs. Overall Evaluation of Carcinogenicity

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0) 3 Not classifiable as to carcinogenicity to humans.

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0) 1 Carcinogenic to humans.

PERMETHRIN (CAS 52645-53-1) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0) Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0) Known To Be Human Carcinogen.

PARAFFIN OIL (CAS 8012-95-1) Known To Be Human Carcinogen.

Reproductive toxicity Health injuries are not known or expected under normal use.

Specific target organ toxicity - single exposure None known.

Specific target organ toxicity - repeated exposure None known.

Aspiration hazard Not an aspiration hazard.

12. Ecological information

Ecotoxicity The product contains a substance which may cause long-term adverse effects in the environment.

Components		Species	Test Results
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	1.44 mg/l, 48 hours Static test
Fish	EC50	Orange-red killfish (Adult Oryzias latipes)	5.3 mg/l, 48 hours Static test
PERMETHRIN (CAS 52645-53-1)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Green algae (Scenedesmus subspicatus)	> 1.9 mcg/l, 72 hours Measured
	NOEC	Algae	1.9 mcg/l
Crustacea	EC50	Water flea (Daphnia magna)	1.25 mcg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	0.79 mcg/l, 96 hours Flow-through test
		Fathead minnow (Adult Pimephales promelas)	3 mcg/l, 96 hours Static renewal test
		Rainbow trout (Adult Oncorhynchus mykiss)	0.62 mcg/l, 96 hours Flow-through test
Microtox	EC50	Microtox	0.56 mg/l, 5 minutes
<i>Chronic</i>			
Fish	Growth test LOEC	Fathead minnow (Juvenile Pimephales promelas)	1.4 mcg/l, 32 days Flow-through test
	Growth test NOEC	Fish	0.66 mcg/l, 32 days
POLYOXYETHYLENE (20) SORBITAN MONOOLEATE (CAS 9005-65-6)			
Aquatic			
<i>Acute</i>			
Fish	EC50	Rainbow trout (Juvenile Oncorhynchus mykiss)	471 mg/l, 96 hours
SODIUM HYDROXIDE (CAS 1310-73-2)			
Aquatic			
<i>Acute</i>			
Fish	EC50	Mosquito fish (Adult Gambusia affinis)	125 mg/l, 96 hours Static test
		Rainbow trout (Adult Oncorhynchus mykiss)	45.4 mg/l, 96 hours Static test

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Photolysis

Half-life (Photolysis-aqueous)

PERMETHRIN 33 Days Estimated

Half-life (Photolysis-atmospheric)

PERMETHRIN 9.8 Hours Estimated

Half-life (Photolysis-soil)

PERMETHRIN 30 Days Estimated

Hydrolysis

Half-life (Hydrolysis-basic)

PERMETHRIN 50 Days

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

PERMETHRIN 50 - 85 %, 28 days, Lake water

Percent degradation (Aerobic biodegradation-soil)

PERMETHRIN > 50 %, 28 days

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

FORMALDEHYDE 35% SOLUTION	0.35
GLYCERIN	-1.76
PERMETHRIN	6.5

Bioconcentration factor (BCF)

2,6-DI-TERT-BUTYL-P-CRESOL	230 - 2500 Measured, Cyprinus carpio, carp
PERMETHRIN	2800 Measured, Pimephales promelas, fathead minnow

Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

PERMETHRIN	4.02 - 4.93 Measured
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Mobility in general

Volatility

Henry's law

2,6-DI-TERT-BUTYL-P-CRESOL	0.000004, 25 Estimated
PERMETHRIN	0 atm m ³ /mol, 25 C Estimated

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international 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.

US RCRA Hazardous Waste U List: Reference

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)	U122
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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).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (NIX DERMAL CREAM (CONTAINING PERMETHRIN))
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	III
Special precautions for user	Not available.
Special provisions	8, 146, 335, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (NIX DERMAL CREAM (CONTAINING PERMETHRIN))
Transport hazard class(es)	9
Subsidiary class(es)	-
Packaging group	III
Labels required	9
Environmental hazards	No.

ERG Code 9L
Special precautions for user Not available.
Other information

Cargo aircraft only Allowed.
Passenger & cargo Allowed.

IMDG

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NIX DERMAL CREAM (CONTAINING PERMETHRIN))

Transport hazard class(es)

Class 9
Subsidiary risk -
Label(s) 9

Packing group III

Environmental hazards

Marine pollutant Yes

EmS F-A, S-F

Special precautions for user Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

DOT; IATA; IMDG



Marine pollutant



General information

Classifications are for the material when offered for transport as fully regulated. Depending on the specific transport details (Ship-From/Ship To locations, quantities being shipped, type of packaging and mode of transport) it may be possible to ship this material in a manner other than fully regulated. (One example is IATA Limited or Excepted Quantity. There are others.) Be sure to review all regulatory agency packaging instructions and special provisions, referenced in this section, to identify options applicable to the specifics of your shipment.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)	Listed.
SODIUM HYDROXIDE (CAS 1310-73-2)	Listed.

SARA 304 Emergency release notification

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)

- Cancer
- Skin sensitization
- Respiratory sensitization
- Eye irritation
- Skin irritation
- respiratory tract irritation
- Acute toxicity
- Flammability

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
FORMALDEHYDE 35% SOLUTION	50-00-0	100	500 lbs		

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
PERMETHRIN	52645-53-1	5
FORMALDEHYDE 35% SOLUTION	50-00-0	<0.3

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)

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

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations**US. Massachusetts RTK - Substance List**

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)
 FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)
 GLYCERIN (CAS 56-81-5)
 PARAFFIN OIL (CAS 8012-95-1)
 PERMETHRIN (CAS 52645-53-1)
 SODIUM HYDROXIDE (CAS 1310-73-2)

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

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)
 FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)
 GLYCERIN (CAS 56-81-5)
 PARAFFIN OIL (CAS 8012-95-1)
 PERMETHRIN (CAS 52645-53-1)
 SODIUM HYDROXIDE (CAS 1310-73-2)

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

2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)
 FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)
 GLYCERIN (CAS 56-81-5)
 PARAFFIN OIL (CAS 8012-95-1)
 SODIUM HYDROXIDE (CAS 1310-73-2)

US. Rhode Island RTK

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0)
 PERMETHRIN (CAS 52645-53-1)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

FORMALDEHYDE 35% SOLUTION (CAS 50-00-0) Listed: January 1, 1988

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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	08-22-2014
Revision date	08-22-2014
Version #	05
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: Business Units Composition / Information on Ingredients: Undisclosed Ingredient Statement Physical & Chemical Properties: Ecological Information: Reports Transport Information: Material Transportation Information Regulatory Information: Risk Phrases - Class. GHS: Classification