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Revision Date

Revision Number 0

**Section 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product Name** Rexafoamer Shampoo

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** No information available

**Uses advised against** No information available

**1.3. Details of the supplier of the safety data sheet**

**Importer**  
No information available

**Company**  
Rexair LLC  
50 W. Big Beaver  
Suite 350  
Troy, MI 48084 USA  
TEL: 248-643-7222

**Supplier**  
Rexair LLC  
230 Seventh Street  
Cadillac, MI 49601 USA  
TEL: 231-775-3413

For further information, please contact

**E-mail Address** customerserv@rexairllc.com

**1.4. Emergency telephone number**

**Emergency Telephone Number** 248-643-7222

<b>Europe</b>	112
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**Section 2. Hazards identification**

**2.1. Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

**Symbol(s)** Xi - Irritant  
**R-code(s)** Xi;R36 - R52-53

**2.2. Label Elements**

Xi



**Indication of danger**  
Xi - Irritant

**R-phrase(s)**  
R36 - Irritating to eyes

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**S-phrase(s)**

S 2 - Keep out of the reach of children

S46 - If swallowed, seek medical advice immediately and show this container or label

**2.3. Other information****Section 3. Composition/information on ingredients****3.1 Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Sodium lauryl sulfate	205-788-1	151-21-3	18.57	F;R11 Xn;R21/22 Xi;R36/37/38	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Isopropyl alcohol	200-661-7	67-63-0	3.55	F;R11 Xi;R36 R67	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	No data available

**For the full text of the R-phrases mentioned in this Section, see Section 16**

**For the full text of the H-Statements mentioned in this Section, see Section 16**

**Section 4. First aid measures****4.1. Description of first-aid measures**

<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Consult a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

**4.2. Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

**Section 5. Fire-fighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**

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

**Extinguishing media which must not be used for safety reasons**

No information available.

**5.2. Special hazards arising from the substance or mixture**

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**  
None in particular.

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

**Section 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.  
See Section 12 for additional information.

**6.2. Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains.

**6.3. Methods and materials for containment and cleaning up**

Dike far ahead of liquid spill for later disposal.

Dam up. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**6.4. Reference to other sections**

See Section 12 for additional information.

**Section 7. Handling and storage****7.1. Precautions for Safe Handling****Handling**

Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Remove and wash contaminated clothing before re-use.

**Hygiene Measures**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

**7.3. Specific end use(s)**

**Exposure Scenario** No information available.

**Other Guidelines** No information available.

**Section 8. Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Isopropyl alcohol 67-63-0		STEL: 1250 mg/m <sup>3</sup> STEL: 500 ppm TWA: 400 ppm TWA: 999 mg/m <sup>3</sup>	VLCT: 980 mg/m <sup>3</sup> VLCT: 400 ppm	VLA-EC: 1250 VLA-EC: 500 VLA-ED: 400 VLA-ED: 998	MAK: 200 ppm MAK: 500 mg/m <sup>3</sup> Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Isopropyl alcohol 67-63-0		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 250 ppm STEL: 620 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup>

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m <sup>3</sup> MAK: 200 ppm MAK: 500 mg/m <sup>3</sup>	STEL: 1000 STEL: 400 MAK: 200 MAK: 500	NDSch: 1200 mg/m <sup>3</sup> NDS: 900 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 245 mg/m <sup>3</sup> STEL: 150 ppm STEL: 306.25 mg/m <sup>3</sup>	TWA: 200 ppm Skin

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Isopropyl alcohol 67-63-0					50 mg/L whole blood end of shift Acetone 50 mg/L urine end of shift Acetone

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Isopropyl alcohol 67-63-0	(ACGIH:) 40 mg/L urine end of shift at end of workweek Acetone Background, nonspecific				

Chemical Name	Romania	Slovakia	Latvia	Bulgaria
Isopropyl alcohol 67-63-0	50 mg/L urine end of shift Acetone	50 mg/L blood end of exposure or work shift Acetone 50 mg/L urine end of exposure or work shift Acetone		

**Derived No Effect Level (DNEL)** No information available.  
**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

### Engineering Measures

Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

#### Eye Protection

Safety glasses with side-shields.

#### Skin and Body Protection

Long sleeved clothing.

#### Hand Protection

Protective gloves.

#### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Environmental Exposure Controls** Do not allow material to contaminate ground water system.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical State**

Liquid

**Appearance**

Clear

**Odor**

No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	No data available	None known
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Relative Density</b>	No data available	None known
<b>Specific Gravity</b>	No data available	None known
<b>Water Solubility</b>	No data available	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**9.2. Other information**

**VOC Content (%)** No information available

## Section 10. Stability and reactivity

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Excessive heat.

**Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon oxides Sulfur oxides.

## Section 11. Toxicological information

**11.1.****Acute Toxicity****Product Information****Inhalation****Eye Contact****Skin Contact****Ingestion**

No acute toxicity information is available for this product.

There is no data available for this product.

There is no data available for this product.

There is no data available for this product.

There is no data available for this product.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium lauryl sulfate	1288 mg/kg ( Rat )	580 mg/kg ( Rabbit )	>3900 mg/m <sup>3</sup> ( Rat ) 1 h
Isopropyl alcohol	4396 mg/kg ( Rat )	12800 mg/kg ( Rat ) 12870 mg/kg ( Rabbit )	72.6 mg/L ( Rat ) 4 h

<b>Irritation</b>	No information available.
<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenic Effects</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Respiratory system. Central nervous system (CNS).
<b>Aspiration Hazard</b>	No information available.

## Section 12. Ecological information

### 12.1. Toxicity

#### Ecotoxicity Effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium lauryl sulfate	EC50 96 h: 3.59 - 15.6 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: 30 - 100 mg/L (Desmodesmus subspicatus) EC50 96 h: = 117 mg/L (Pseudokirchneriella subcapitata) EC50 72 h: = 53 mg/L (Desmodesmus subspicatus)	LC50 96 h: 10.2-22.5 mg/L semi-static (Pimephales promelas) LC50 96 h: 10.8-16.6 mg/L static (Poecilia reticulata) LC50 96 h: 13.5-18.3 mg/L semi-static (Poecilia reticulata) LC50 96 h: 15-18.9 mg/L static (Pimephales promelas) LC50 96 h: 22.1-22.8 mg/L static (Pimephales promelas) LC50 96 h: 4.06-5.75 mg/L static (Lepomis macrochirus) LC50 96 h: 4.2-4.8 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 4.3-8.5 mg/L static (Oncorhynchus mykiss) LC50 96 h: 5.8-7.5 mg/L static (Pimephales promelas) LC50 96 h: 6.2-9.6 mg/L (Pimephales promelas) LC50 96 h: 8-12.5 mg/L static (Pimephales promelas) LC50 96 h: 9.9-20.1 mg/L semi-static (Brachydanio rerio) LC50 96 h: = 1.31 mg/L semi-static (Cyprinus carpio) LC50 96 h: = 4.2 mg/L (Oncorhynchus mykiss) LC50 96 h: = 4.5 mg/L (Lepomis macrochirus) LC50 96 h: = 4.62 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 7.97 mg/L flow-through (Brachydanio rerio)	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	EC50 48 h: = 1.8 mg/L (Daphnia magna)

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus) EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 11130 mg/L static (Pimephales promelas) LC50 96 h: = 9640 mg/L flow- through (Pimephales promelas) LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h: = 13299 mg/L (Daphnia magna)

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential.**

No information available.

Chemical Name	Log Pow
Sodium lauryl sulfate	1.6
Isopropyl alcohol	0.05

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

This product does not contain any known or suspected endocrine disruptors.

## Section 13. Disposal considerations

**Waste treatment methods****Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other Information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14. Transport information

**IMDG/IMO****14.1. UN-Number**

Not regulated.

**14.2. Proper Shipping Name**

Not regulated.

**14.3. Hazard Class**

Not regulated.

**14.4. Packing Group**

Not regulated.

**Description**

Not applicable.

**14.5.****Marine Pollutant**

None.

**14.6. Special Provisions**

None.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.

## Section 14. Transport information

**RID**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**ADR**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**ICAO**

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

**IATA**

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

## Section 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture International Inventories

All of the components in the product are on the following Inventory lists:

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	-
IECSC	Complies
AICS	Complies
KECL	Complies

**Legend**

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

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

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



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**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

### **15.2. Chemical Safety Assessment**

No information available

## **Section 16. Other information**

### **Full text of R-phrases referred to under Sections 2 and 3**

R11 - Highly flammable

R67 - Vapors may cause drowsiness and dizziness

R36 - Irritating to eyes

R38 - Irritating to skin

R36/37/38 - Irritating to eyes, respiratory system and skin

R21/22 - Harmful in contact with skin and if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### **Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Issuing Date** 07-Feb-2011

**Revision Date**

**Revision Note** Initial Release.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

### **General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Safety Data Sheet