

**SECTION 1 - Identification****1.1 Identification**

Product form : Thermoplastic Polyurethane  
Product name : XPEL RX Anti-Microbial Protection Film

**1.2 Recommended use and restrictions on use**

Thermoplastic polyurethane film that inhibits the growth of microbes to protect surfaces.

**1.3 Supplier**

XPEL, Inc.  
3251 I-35  
San Antonio, TX, 78219  
T: +1 210-678-3700

**1.4 Emergency telephone number**

Emergency Number : +1 800-535-5053 (INFOTRAC)  
: +1 352-323-3500 (INFOTRAC International)

**SECTION 2 - Hazard(s) identification**

**Appearance:** Zinc-ion infused plastic film      **Physical State :** Solid      **Odor :** Characteristic

**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**SECTION 3 - Composition/Information on ingredients**

Chemical name	CAS No	Weight-%
Thermoplastic polyurethane film	-	>99%
Zinc pyrithione	13463-41-7	<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. \*\*

**SECTION 4 - First-aid measures****Description of first-aid measures**

<b>General Advice</b>	Product design precludes health hazard if used according to its instructions. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
<b>Eye Contact</b>	Not a likely route of exposure based on form of product. If accidental exposure occurs, rinse with water. Contact a physician if irritation persists.
<b>Skin Contact</b>	Not an expected route of exposure. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water.
<b>Inhalation</b>	Not an expected route of exposure. If symptoms of overexposure are experienced, move to fresh air.
<b>Ingestion</b>	Not a likely route of exposure based on form of product. If accidental exposure occurs, rinse mouth with water. Contact a physician if discomfort persists.

**Most important symptoms and effects (acute and delayed)**

**Symptoms** None expected.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically and supportively.

**SECTION 5 - Fire-fighting measures****Suitable extinguishing media**

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

**Specific hazard arising from the chemical**

Not determined.

**SECTION 5 - Fire-fighting measures****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.

**SECTION 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.

**SECTION 7 - Handling and storage****Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool, and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

**SECTION 8 - Exposure controls/personal protection****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures/Personal protective equipment**

**Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

Physical state	: Solid
Appearance	: Zinc-ion infused plastic film
Color	: Clear
Odor	: Characteristic
Odor threshold	: Not determined
pH	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: Not determined
Flash point	: Not determined
Evaporation rate	: Not determined
Flammability Llimit in Air	
Upper flammability or explosive limits	: Not determined
Lower flammability or explosive limits	: Not determined
Vapor pressure	: Not determined
Relative density	: Not determined
Water Solubility	: Not determined
Solubility in other solvents	: Not determined

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Partition Coefficient : Not determined  
 Auto-ignition temperature : Not determined  
 Decomposition temperature : Not determined  
 Viscosity, kinematic : Not determined  
 Viscosity, dynamic : Not determined  
 Explosion limits : Not determined  
 Explosive properties : Not determined  
 Oxidizing properties : Not determined

**SECTION 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.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure**

Product Information : Product information listed below is based on Zinc Omadine Powder

Eye Contact : Avoid contact with eyes.

Skin Contact : Fatal in contact with skin.

Inhalation : Fatal if inhaled.

Ingestion : Toxic if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc pyrithione 13463-41-7	= 177 mg/kg ( Rat )	= 100 mg/kg ( Rabbit )	0.05 - 0.5 mg/L ( Rat ) 4 h = 140 mg/m <sup>3</sup> ( Rat ) 4 h
Sodium Chloride 7647-14-5	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Sodium sulfate 7757-82-6	> 10000 mg/kg ( Rat )	-	-

**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**

**Carcinogenicity** : Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicitysure**

Not determined

**SECTION 12: Ecological information**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium Chloride 7647-14-5	= 177 mg/kg ( Rat )	= 100 mg/kg ( Rabbit ) 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static	0.05 - 0.5 mg/L ( Rat ) 4 h = 140 mg/m <sup>3</sup> ( Rat ) 4 h 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static 1000: 48 h Daphnia magna mg/L EC50
Sodium sulfate 7757-82-6	> 10000 mg/kg ( Rat )	3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50 13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static	630: 96 h Daphnia magna mg/L EC50 2564: 48 h Daphnia magna mg/L EC50

**SECTION 12: Ecological information**

**Persistence and degradability**

Not determined.

**Bioaccumulative potential**

There is no data for this product.

**Mobility in soil**

Not determined.

**Other adverse effects**

Not determined.

**SECTION 13: Disposal considerations**

**Waste Treatment 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.

**California Hazardous Waste Status**

Chemical name	California Hazardous Waste Status
Zinc pyrithione	= 177 mg/kg ( Rat )
13463-41-7	Toxic

**SECTION 14: Transport information**

- Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT Please contact manufacturer for most current information
- IATA Please contact manufacturer for most current information
- IMDG Please contact manufacturer for most current information

### SECTION 15: Regulatory information

#### International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Zinc pyrithione	X	ACTIVE	X	X	X	X	X	X	X
Sodium Chloride	X	ACTIVE	X	X	X	X	X	X	X
Sodium sulfate	X	ACTIVE	X	X	X	X	X	X	X
2-hydroxypyridine 1-oxide				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 and Evaluated Chemical Substances
PICCS -	Philippines Inventory of Chemicals and Chemical Substances
AICS -	Australian Inventory of Chemical Substances

#### US Federal Regulations

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

### SECTION 15: Regulatory information

#### US Federal Regulations

**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 %
Zinc pyrithione - 13463-41-7	13463-41-7	90-100	1.0
Sodium sulfate 7757-82-6	> 10000 mg/kg ( Rat )	3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50 13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static	630: 96 h Daphnia magna mg/L EC50 2564: 48 h Daphnia magna mg/L EC50

**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
Zinc pyrithione		X		
Sodium sulfate 7757-82-6	> 10000 mg/kg ( Rat )	3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50 13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static	630: 96 h Daphnia magna mg/L EC50 2564: 48 h Daphnia magna mg/L EC50	

#### US State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**SECTION 15: Regulatory information**

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Zinc pyrithione 13463-41-7	X		X
Sodium sulfate 7757-82-6		X	X

**Section 16: OTHER INFORMATION**

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	Not determined

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**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