Safety Data Sheet

Issue Date: 16-Sep-2021 **Revision Date:** 17-Sep-2021 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name Red Devil Foam & Fill Mouse / Pest Blocker Foam Sealant

Other means of identification

SDS # RD-0229

Product Code 0918
UN/ID No UN1950

Recommended use of the chemical and restrictions on use

Recommended Use Sealant.

Details of the supplier of the safety data sheet

Supplier Address
Red Devil, Inc.
4175 Webb Street
Pryor, Oklahoma 74361
www.reddevil.com

Emergency telephone number

Company Phone Number 918-825-5744
Fax: 918-825-5761

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

2. HAZARDS IDENTIFICATION

Appearance Yellow liquid **Physical state** Aerosol **Odor** Characteristic

Classification

This SDS was created using the criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and is compliant with the Globally Harmonized System of Labeling and Classification of Chemicals (GHS).

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aerosols	Category 1
Gases under pressure	Compressed gas

Signal Word
Danger

Hazard statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May cause damage to organs through prolonged or repeated exposure
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition source

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Methylenediphenyl diisocyanate isomers (Polymeric MDI)	9016-87-9	20-35
Propane	68476-86-8	2.5-10
Isobutane	75-28-5	2.5-10
Dimethyl ether	115-10-6	2.5-10
p-Dichlorobenzene	106-46-7	0.5-5

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 Provide this SDS to medical personnel for treatment. When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact Wash skin thoroughly with mild soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If symptoms persist, call a physician.

Inhalation Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.

Ingestion Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms Causes skin and eye irritation. May cause respiratory irritation. May be harmful if swallowed. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Notes to Physician In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Small Fire Dry chemical or CO2.

Large Fire Dry chemical, Foam.

Unsuitable Extinguishing Media Water jet.

Specific Hazards Arising from the Chemical

Product is an extremely flammable aerosol.

Protective equipment and precautions for firefighters

In event of fire, cool tanks w/ water spray. Move containers from fire area if it can be done w/o risk. Self-contained breathing apparatus & full protective clothing must be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Eliminate all ignition sources (no smoking, flares, sparks or flames in area). Local authorities should be advised if significant spillages can not be contained. Ensure adequate ventilation. Keep individuals away from & upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remain upwind. Ventilate closed spaces prior to entering. Keep unnecessary personnel away. Keep out of low areas. Wear appropriate protective equipment/clothing during clean-up.

Environmental precautions

Environmental precautions	Do not contaminate water. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Soak up and contain spill with an absorbent material. Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Reclaim where possible. Use non-sparking hand tools and explosion-proof electrical equipment. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash face, hands and any exposed skin thoroughly after handling. In case of insufficient ventilation, wear suitable respiratory equipment. Contaminated work clothing must not be allowed out of the workplace. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store locked up. Protect from sunlight. Store in a cool, dry, well-ventilated place.
Incompatible Materials	Strong oxidizing agents. Strong bases. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isobutane 75-28-5	STEL: 1000 ppm explosion hazard	-	TWA: 800 ppm TWA: 1900 mg/m^3
p-Dichlorobenzene 106-46-7	TWA: 10 ppm	TWA: 75 ppm TWA: 450 mg/m^3 (vacated) TWA: 75 ppm (vacated) TWA: 450 mg/m^3 (vacated) STEL: 110 ppm (vacated) STEL: 675 mg/m^3	IDLH: 150 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses as a minimum for protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Wear protective gloves and protective clothing. Reference Wiley's "Quick Selection Guide to Chemical Protective Clothing". Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol		
Appearance	Yellow liquid	**Odor**	Characteristic
Color	Yellow	**Odor Threshold**	Not determined
Property	**Values**	**Remarks • Method**	
pH	Not determined		
Melting point / freezing point	Not determined		
Boiling point / boiling range	Not determined		
Flash point	Not determined		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Not determined		
Flammability Limit in Air			
Upper flammability or explosive limits	Not determined		
Lower flammability or explosive limits	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Relative Density	Not determined		
Water Solubility	Not determined		
Solubility in other solvents	Not determined		

Partition Coefficient	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

Other information

VOC Content < 2 g/l

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
Reacts violently w/ some acids &/or bases.

Conditions to Avoid
Heat, flames and sparks. Keep out of reach of children.

Incompatible materials
Strong oxidizing agents. Strong bases. Strong acids.

Hazardous decomposition products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation. May cause an allergic skin reaction.

Inhalation Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Ingestion May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methylenediphenyl diisocyanate isomers (Polymeric MDI) 9016-87-9	= 49 g/kg (Rat)	> 9.4 g/kg (Rabbit)	= 490 mg/m^3 (Rat) 4 h
Dimethyl ether 115-10-6	-	-	= 164000 ppm (Rat) 4 h
Isobutane 75-28-5	-	-	= 658 mg/L (Rat) 4 h
p-Dichlorobenzene 106-46-7	= 500 mg/kg (Rat)	> 6000 mg/kg (Rat)	> 5070 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

Sensitization May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity Suspected of causing cancer.

Chemical name	ACGIH	IARC	NTP	OSHA
Methylenediphenyl diisocyanate isomers (Polymeric MDI) 9016-87-9		Group 3		
p-Dichlorobenzene 106-46-7	A3	Group 2B	Reasonably Anticipated	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 IARC components are "not classifiable as human carcinogens"
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 6,533.30 mg/kg
Dermal LD50 15,377.20 mg/kg
Gas 1,937,658.30 mg/L
ATEmix (inhalation-dust/mist) 0.980 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Dimethyl ether 115-10-6		4.1: 96 h Poecilia reticulata g/L LC50 semi-static	
p-Dichlorobenzene 106-46-7		1.05 - 1.2: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 50: 96 h Pimephales promelas mg/L LC50 static 3.9 - 4.8: 96 h Lepomis macrochirus mg/L LC50 static 0.88: 96 h Oncorhynchus mykiss mg/L LC50 static 4: 96 h Pimephales promelas mg/L LC50 flow-through	

Persistence/Degradability
Not determined.

Bioaccumulation
There is no data for this product.

Mobility

Chemical name	Partition coefficient
Propane 68476-86-8	2.8
Isobutane 75-28-5	2.88
Dimethyl ether 115-10-6	-0.18
p-Dichlorobenzene 106-46-7	3.4

Other Adverse Effects
Not determined

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.

US EPA Waste Number

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
p-Dichlorobenzene 106-46-7	U072	Included in waste streams: F039, K149, K150	7.5 mg/L regulatory level	U072

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
p-Dichlorobenzene 106-46-7	Category II - Semi-volatiles			

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
p-Dichlorobenzene 106-46-7	Toxic

14. TRANSPORT INFORMATION

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

DOT Limited Quantity
UN/ID No UN1950
Proper Shipping Name Aerosols
Hazard class 2.1

IATA

UN number	UN1950
Proper Shipping Name	Aerosols, flammable
Transport hazard class(es)	2.1

IMDG

UN number	UN1950
Proper Shipping Name	Aerosols
Transport hazard class(es)	2.1

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Methylenediphenyl diisocyanate isomers (Polymeric MDI)	X	ACTIVE	X		X	X	X	X	X
Dimethyl ether	X	ACTIVE	X	X	X	X	X	X	X
Propane	X	ACTIVE	X	X		X	X	X	X
Isobutane	X	ACTIVE	X	X	X	X	X	X	X
p-Dichlorobenzene	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 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, 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	CERCLA/SARA RQ	Reportable Quantity (RQ)
p-Dichlorobenzene 106-46-7	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 %
Methylenediphenyl diisocyanate isomers (Polymeric MDI) - 9016-87-9	9016-87-9	20-35	1.0
p-Dichlorobenzene - 106-46-7	106-46-7	0.5-5	0.1

CWA (Clean Water Act)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
p-Dichlorobenzene		X	X	X

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
p-Dichlorobenzene - 106-46-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Methylenediphenyl diisocyanate isomers (Polymeric MDI) 9016-87-9	X		
Dimethyl ether 115-10-6	X	X	X
Isobutane 75-28-5	X	X	X
p-Dichlorobenzene 106-46-7	X	X	X

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