

Safety Data Sheet

1. Product And Company Identification

Product Name: SKN45 Aerosol

Product Use: High build protective coating
Uses Advised Against: None known

Manufacturer: Unituff Global Pty Ltd.
 26 Activity Street
 Maryborough QLD 4650 Australia

Information and Emergency Phone Number: USA +1 832-533-5628 / AU +61 400 796 022

SDS Date of Preparation: 18/03/2020

2. Hazards Identification

GHS Classification:

Physical:	Health:
Flammable Aerosol Category 1 Gases Under Pressure: Compressed Gas	Skin Irritation Category 2 Eye Damage Category 1 Specific Target Organ Toxicity Single Exposure Category 3 (cns, respiratory)

GHS Label Elements:



Danger!

- H222 Extremely flammable aerosol.
- H 280 Contains gas under pressure; may explode if heated.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness and dizziness.

- P210 Keep away from heat, sparks, open flames and hot surfaces. – No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing vapors or spray
- P264 Wash face, hands and any exposed skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves, protective clothing and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P332+P313 If skin irritation occurs: Get medical attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor if you feel unwell..
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a poison center or doctor.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents and container in accordance with local and national regulations.

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Hazards not otherwise specified: None

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Propellant, dimethyl ether	115-10-6	60-80%
Acetone	67-64-1	5-10%
n-Butanol	71-36-3	1-5%
Ethyl Acetate	141-78-6	1-5%
Butyl Acetate	123-86-4	1-5%
Non-Hazardous Ingredients	Proprietary	10-30%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation: If symptoms of exposure develop, move to fresh air. Seek medical attention if breathing problems or irritation persist.

Skin Contact: Wash skin with plenty of soap and water. If skin irritation develops, seek medical attention.

Eye Contact: Flush eyes with plenty of water for at least 20 minutes, holding the eyelids open to assure thorough flushing. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. However, should ingestion occur, do not induce vomiting. Get medical attention.

Most Important Symptoms: Causes severe eye irritation and possible eye damage. Inhalation may cause respiratory irritation and central nervous system effects such as dizziness, drowsiness and nausea. May cause skin irritation. Ingestion may cause abdominal discomfort or pain, nausea, vomiting, drowsiness, and central nervous system effects.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention is required for eye contact.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use dry chemical, carbon dioxide, foam, or water spray.

Specific Hazards Arising from the Chemical: Contents under pressure. Keep away from ignition source and open flames. Exposure of containers to heat and flames can cause them to rupture, often with violent force. Thermal decomposition will generate oxides of carbon.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment.

Methods and Materials for Containment and Clean-Up: Place leaking can in a pail in a well-ventilated area away from ignition sources until pressure has dissipated. Collect liquid using inert material and place into a suitable

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container for disposal.

Environmental Precautions: Prevent entry into storm sewers and waterways. Report spill as required by local and national regulations.

7. Handling and Storage

Precautions for Safe Handling: Prevent contact with eyes. Avoid contact with skin, and clothing. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse. Keep out of the reach of children. Contents under pressure, do not puncture or incinerate containers. Do not allow can to come into contact with any source of electricity. Electricity can burn a hole in the can and may cause the can to burst explosively. Do not spray on or near sources of ignition or on hot surfaces.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Keep away from heat, sparks, open flames and all other sources of ignition. Do not store in direct sunlight or above 120°F. **U.F.C. (NFPA 30B) Level 2 Aerosol.**

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Propellant, dimethyl ether	1000 ppm TWA AIHA WEEL 400 ppm TWA 500 ppm STEL AU OEL
Acetone	250 ppm TWA 500 ppm STEL ACGIH TLV 1000 ppm OSHA PEL 500 ppm TWA 1000 ppm STEL AU OEL
n-Butanol	20 ppm TWA ACGIH TLV 100 ppm TWA OSHA PEL 50 ppm TWA AU OEL
Ethyl Acetate	400 ppm TWA ACGIH TLV 400 ppm TWA OSHA PEL 200 ppm TWA 400 ppm STEL AU OEL
Butyl Acetate	50 ppm TWA 150 ppm STEL ACGIH TLV 150 ppm TWA OSHA PEL 150 ppm, 200 ppm STEL TWA AU OEL

Appropriate Engineering Controls: For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Personal Protective Equipment

Respiratory Protection: For operations where the exposure limits may be exceeded, a NIOSH approved organic vapor/particulate or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134, all applicable laws and regulations; and good industrial hygiene practice.

Gloves: Impervious gloves recommended to avoid skin contact.

Eye Protection: Chemical safety goggles.

Other Protective Equipment/Clothing: Appropriate protective clothing as needed to minimize skin contact.

9. Physical and Chemical Properties

Appearance and Odor: Liquid with a grey metallic sheen in an aerosol can. Alcoholic odor.

Physical State: Liquid-based aerosol	Odor Threshold: 2.5 ppm (butanol)
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pH: Not determined	Specific Gravity: Not determined
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: 2.6 (butanol) (air=1)
Solubility In Water: Partially soluble	Percent Volatile: >75%
Viscosity: Not determined	Evaporation Rate: Not determined
Relative Density: Not determined	VOC Content: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Autoignition Temp: Not determined
Flash Point: 98°F (37°C) (butanol).	Flammability (solid, gas): Extremely flammable aerosol
Flammability Limits: LEL: 1.4% (butanol) UEL: 26.2% (dimethyl ether)	Decomposition Temperature: Not available

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Keep away from excessive heat, sparks and open flames. Containers may rupture at temperatures > 120°F (48.8°C).

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition will generate oxides of carbon.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Inhalation may cause respiratory irritation and central nervous system effects such as dizziness, drowsiness and nausea.

Skin Contact: Causes skin irritation.

Eye Contact: Causes severe eye irritation and possible eye damage.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. Ingestion may cause abdominal discomfort or pain, nausea, vomiting, drowsiness, and central nervous system effects.

Chronic Effects: None known

Carcinogenicity Listing: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: Components are not classified for reproductive toxicity.

Germ Cell Mutagenicity: Components are not classified for germ cell mutagenicity.

Numerical Measures of Toxicity:

Dimethyl Ether: LC50 Rat inhalation 164,000 ppm

n-Butanol: LD50 Oral Rat: 2290 mg/kg
LD50 Skin Rabbit: 3434 mg/kg
LC50 Inhalation Rat: >17.76 mg/L/4 hr (no mortality)

Acetone: LD50 Oral Rat: 5800 mg/kg

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	LD50 Skin Rabbit: 7400 mg/kg LC50 Inhalation Rat: 76 mg/L/4 hr
Butyl Acetate	LD50 Oral Rat: 10,760 mg/kg LD50 Skin Rabbit: >14,000 mg/kg LC50 Inhalation Rat: >20 mg/L/4 hr
Ethyl Acetate	LD50 Oral Rat: 5620 mg/kg LD50 Skin Rabbit: >20,000 mg/kg LC50 Inhalation Rat: >22.5 mg/L/6 hr

12. Ecological Information

Ecotoxicity:

n-Butanol: LC50 Fathead Minnow 1376 mg/L/ 96 hr. EC50 daphnia magna 1328 mg/L/48 hr. EC50 algae 225 mg/L/96 hr.
 Acetone: LC50 Fathead Minnow 5540 mg/L/ 96 hr. EC50 daphnia magna 12,600 mg/L/48 hr. EC50 marine algae >430 mg/L/96 hr.
 Butyl Acetate: LC50 Fathead Minnow 18 mg/L/ 96 hr. EC50 daphnia magna 44 mg/L/48 hr. EC50 algae 648 mg/L/96 hr
 Ethyl Acetate: LC50 Fathead Minnow 230 mg/L/ 96 hr. EC50 daphnia 165 mg/L/48 hr. EC50 algae >100 mg/L/72 hr

Persistence and Degradability:

n-Butanol, Acetone, Butyl Acetate and Ethyl Acetate: readily biodegradable.

Bio accumulative Potential: Bioaccumulation is not expected.

Mobility in Soil: No data available for product.

Other Adverse Effects: No data available. This product is not expected to be harmful to aquatic life based on an assessment of the ingredients.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: UN1950, Aerosols, Class 2.1

IMDG Dangerous Goods Description: UN1950, Aerosols, 2.1

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Classified under OSHA Hazcom 2012 GHS as per Section 2 of this SDS.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): n-Butanol 1-5%

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California Proposition 65: This product does not require a warning.

INTERNATIONAL INVENTORIES

Australia AICS: All the components are listed.
Canada DSL: All the components are listed.
China IECSC: All the components are listed.
EU EINECS: All the components are listed.
Japan ENCS: All the components are listed.
Korea KECL: All the components are listed.
New Zealand: All the components are listed.
Philippines PICCS: All the components are listed.
Taiwan CSNN All the components are listed

16. Other Information

NFPA Rating (NFPA 704):	Health: 3	Fire: 4	Instability: 0
HMIS Rating:	Health: 3	Fire: 3	Physical Hazard: 0

DATE OF CURRENT REVISION: 08/06/2019
 REVISION SUMMARY: New SDS
 DATE OF PREVIOUS REVISION: N/A

Disclaimer: Since the use and application of this product is beyond our control we cannot be held responsible for product field performance or personnel safety during application and use of product. The information presented in this document is not to be construed as a performance warranty.