

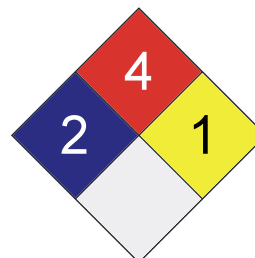
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Champion Sprayon® X-it Out™ Vandal Mark Remover
Product Use Vandalism remover
Manufacturer Chase Products Co.
19th and Gardner Road
Broadview, IL 60155 US
Phone: 708-865-1000
CHEM-TEL: 1-800-255-3924

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	4
Physical Hazard	1
Personal Protection	



2. Hazards Identification

Emergency Overview DANGER
Toxic. Extremely flammable. May cause cancer. Teratogenic. May cause birth defects. Contents under pressure. Containers may explode when heated.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation.

Eyes May cause irritation.

Skin May cause irritation. Contains a potential skin sensitizer. Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion Not a normal route of exposure. May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

Target organs Blood. Eyes. Kidney. Liver. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms are prostration, gasping, pallor, and uncoordinated movements. Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
D-Limonene	5989-27-5	0.5 - 1.5
Naphthalene	91-20-3	1 - 5
Methyl alcohol	67-56-1	1 - 5
Diethylene glycol monoethyl ether	111-90-0	1 - 5
Carbon dioxide	124-38-9	1 - 5
Alcohols, C10-16, Ethoxylated	68002-97-1	1 - 5
Toluene	108-88-3	10 - 30
Pine oil	8002-09-3	10 - 30
Acetone	67-64-1	10 - 30
Alcohols, C10-14, ethoxylated	66455-15-0	3 - 7

4. First Aid Measures

First aid procedures

Eye contact

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
Ingestion	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
Notes to physician	Symptoms may be delayed.
General advice	Immediate medical attention is required. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting Measures

Flammable properties	Flammable by WHMIS criteria. Containers may explode when heated. Ruptured cylinders may rocket.
Extinguishing media	
Suitable extinguishing media	Carbon dioxide. Alcohol foam. Dry chemical. Foam.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite. Should not be released into the environment.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. Wash hands and face before breaks and immediately after handling the product.
Storage	Keep out of reach of children. Do not store at temperatures above 49°C. Keep away from heat, open flames or other sources of ignition. Keep out of the reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure limits
Acetone	ACGIH-TLV TWA: 500 ppm STEL: 750 ppm
Alcohols, C10-14, ethoxylated	ACGIH-TLV Not established
Alcohols, C10-16, Ethoxylated	ACGIH-TLV Not established
Carbon dioxide	ACGIH-TLV TWA: 5000 ppm STEL: 30000 ppm
Diethylene glycol monoethyl ether	ACGIH-TLV TWA: 25 ppm
D-Limonene	ACGIH-TLV Not established
Methyl alcohol	ACGIH-TLV TWA: 200 ppm STEL: 250 ppm
Naphthalene	ACGIH-TLV TWA: 50 mg/m ³ STEL: 15 ppm
Pine oil	ACGIH-TLV Mist: 5 mg/m ³
Toluene	ACGIH-TLV TWA: 50 ppm Skin: 50 ppm

Engineering controls

General ventilation normally adequate. Provide adequate ventilation.

Personal protective equipment

Eye/Face protection

Wear chemical goggles.

Hand protection

Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection

As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands and face before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	Clear.
Colour	Colourless.
Form	Liquid.
Odour	Citrus.
Odour threshold	Not available
Physical state	Gas
pH	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation Rate	> 1 (BuAc=1)

Flammability limits in air, lower, % by volume	Not available
Flammability Limits in Air, Upper, % by Volume	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	0.891 (of liquid)
Octanol/water coefficient	Not available
Solubility (H2O)	Insoluble
Auto-ignition temperature	Not available
VOC (Weight %)	65.28 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Aerosol containers are unstable at temperatures above 49°C. Do not mix with other chemicals.
Incompatible materials	Strong acids. Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 2055 mg/kg, rat, Oral Acute LD50: 3723 mg/kg, rat, Dermal
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Component analysis - LC50

Ingredient(s)	LC50
Acetone	> 16000 mg/m3 rat
Alcohols, C10-14, ethoxylated	Not available
Alcohols, C10-16, Ethoxylated	> 50 mg/L rat
Carbon dioxide	Not available
Diethylene glycol monoethyl ether	Not available
D-Limonene	13.3 mg/L rat
Methyl alcohol	50000 ppm rat
Naphthalene	33.4 ppm rat
Pine oil	Not available
Toluene	5100 ppm rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Acetone	5800 mg/kg rat
Alcohols, C10-14, ethoxylated	1800 mg/kg rat
Alcohols, C10-16, Ethoxylated	2750 mg/kg rat
Carbon dioxide	Not available
Diethylene glycol monoethyl ether	5500 mg/kg rat
D-Limonene	4400 mg/kg rat
Methyl alcohol	5628 mg/kg rat
Naphthalene	490 mg/kg rat
Pine oil	3200 mg/kg rat
Toluene	636 mg/kg rat

Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation. Contains a potential skin sensitizer. Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	Not a normal route of exposure. May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.
Sensitisation	Non-hazardous by WHMIS criteria.
Chronic effects	Non-hazardous by WHMIS criteria.
Carcinogenicity	Hazardous by WHMIS criteria. May cause cancer.
Mutagenicity	Non-hazardous by WHMIS criteria.
Reproductive effects	Non-hazardous by WHMIS criteria.
Teratogenicity	Hazardous by WHMIS criteria.

12. Ecological Information

Ecotoxicity effects	Components of this product are hazardous to aquatic life. Components of this product have been identified as having potential environmental concerns.
Environmental effects	Harmful to aquatic life.
Aquatic toxicity	Not available
Persistence and degradability	Not available
Bioaccumulation/accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

Transportation of Dangerous Goods (TDG)

Basic shipping requirements:

Proper shipping name	Aerosols, flammable
Hazard class	2.1
UN number	UN1950

Additional information:

Special provisions	153, N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

TDG



15. Regulatory Information

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
WHMIS classification	Class A - Compressed Gas, Class B - Division 5; Flammable Aerosol, Class D - Division 1B, 2A, 2B
WHMIS status	Controlled
WHMIS labeling	



Inventory Status	Inventory Name	On Inventory (Yes/No)*
Country(s) or region		
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

16. Other Information

Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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