MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name **957 - Instant Screen Opener**

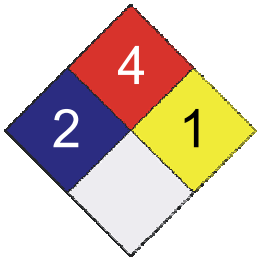
CAS # Mixture

Product Use Screen opener

Manufacturer SPRAYWAY INC.
484 Vista Avenue
Addison, IL 60101 US
Phone: 1-630-628-3000
Emergency Phone: 1-866-836-8855

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

Health	*	2
Flammability		4
Physical Hazard		1
Personal Protection		B



2. Hazards Identification

Emergency Overview DANGER
EYE AND SKIN IRRITANT.
Extremely flammable. Contents under pressure. Containers may explode when heated.
Contains a potential teratogen.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes May cause eye irritation and inflammation (characterized by redness, watering, and itching).

Skin May cause irritation. May be absorbed through the skin.

ACGIH - Threshold Limits Values - Skin Notations

Cyclohexanone	108-94-1	Skin - potential significant contribution to overall exposure by the cutaneous route

NIOSH - Pocket Guide - Skin Notations

Cyclohexanone	108-94-1	Potential for dermal absorption

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. Prolonged or repeated overexposure can cause liver and kidney damage.

Signs and symptoms 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
Xylene	1330-20-7	1 - 5
Cyclohexanone	108-94-1	10 - 30
Butane	106-97-8	10 - 30
1,2,4-Trimethylbenzene	95-63-6	10 - 30
Solvent naphtha (petroleum), light aromatic	64742-95-6	30 - 60
Propane	74-98-6	5 - 10

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
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	If you feel unwell, seek medical advice (show the label where possible). 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.

5. Fire-fighting Measures

Flammable properties	Flammable aerosol by flame projection test. Containers may explode when heated.
Extinguishing media	
Suitable extinguishing media	Dry chemical. Alcohol foam. Carbon dioxide.
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 firefighers	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

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.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material.
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.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure limits
1,2,4-Trimethylbenzene	**ACGIH-TLV** TWA: 25 ppm
Butane	**ACGIH-TLV** TWA: 1000 ppm
Cyclohexanone	**ACGIH-TLV** TWA: 20 ppm STEL: 50 ppm
Propane	**ACGIH-TLV** TWA: 1000 ppm
Solvent naphtha (petroleum), light aromatic	**ACGIH-TLV** Not established
Xylene	**ACGIH-TLV** TWA: 100 ppm STEL: 150 ppm

Engineering controls General ventilation normally adequate.

Personal protective equipment

Eye/Face protection Wear safety glasses with side shields.

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. Avoid breathing mists or vapours.

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

9. Physical & Chemical Properties

Appearance	Aerosol.
Colour	Clear, colourless
Form	Misty spray
Odour	Solvent
Odour threshold	Not available
Physical state	Gas
pH	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	< -17.8 °C (< -0.04 °F) (Propellant)
Evaporation Rate	Not available
Flammability limits in air, lower, % by volume	0.01 (Naptha)
Flammability Limits in Air, Upper, % by Volume	9.5 (Propellant)
Vapour pressure	329 kPa
Vapour density	Not available
Specific gravity	0.8879 (Concentrate)
Octanol/water coefficient	Not available
Solubility (H2O)	Insoluble
Auto-ignition temperature	Not available

VOC (Weight %)	Not available
Viscosity	Water thin
Percent volatile	Not available

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	Oxidizers. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
1,2,4-Trimethylbenzene	3661 ppm rat
Butane	Not available
Cyclohexanone	2639 ppm rat; 10.7 mg/l/4h rat
Propane	Not available
Solvent naphtha (petroleum), light aromatic	5.2 mg/l/4h rat
Xylene	5000 ppm rat; 6350 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
1,2,4-Trimethylbenzene	3280 mg/kg rat
Butane	Not available
Cyclohexanone	800 mg/kg rat
Propane	Not available
Solvent naphtha (petroleum), light aromatic	4700 mg/kg rat
Xylene	4300 mg/kg rat

Effects of acute exposure

Eye	May cause eye irritation and inflammation (characterized by redness, watering, and itching).
Skin	May cause irritation. May be absorbed through the skin.

ACGIH - Threshold Limits Values - Skin Notations

Cyclohexanone	108-94-1	Skin - potential significant contribution to overall exposure by the cutaneous route

NIOSH - Pocket Guide - Skin Notations

Cyclohexanone	108-94-1	Potential for dermal absorption

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	Non-hazardous by WHMIS criteria.

ACGIH - Threshold Limits Values - Carcinogens

Cyclohexanone	108-94-1	A3 - Confirmed animal carcinogen with unknown relevance to humans.
Xylene	1330-20-7	A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)

Cyclohexanone	108-94-1	Monograph 71 [1999], Monograph 47 [1989]
Xylene	1330-20-7	Monograph 71 [1999], Monograph 47 [1989]

Mutagenicity	Non-hazardous by WHMIS criteria.
Reproductive effects	Non-hazardous by WHMIS criteria.

Teratogenicity Hazardous by WHMIS criteria. Contains a potential teratogen.

12. Ecological Information

Ecotoxicity effects Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Algae Data

Cyclohexanone	108-94-1	96 Hr EC50 Chlorella vulgaris: 20 mg/L

Ecotoxicity - Freshwater Fish Species Data

1,2,4-Trimethylbenzene	95-63-6	96 Hr LC50 Pimephales promelas: 7.72 mg/L [flow-through]
Cyclohexanone	108-94-1	96 Hr LC50 Pimephales promelas: 527.0 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 44.0 mg/L; 96 Hr LC50 Pimephales promelas: 8.9 mg/L
Solvent naphtha (petroleum), light aromatic	64742-95-6	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L
Xylene	1330-20-7	96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 8.05 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 16.1 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 26.7 mg/L [static

Ecotoxicity - Microtox Data

Cyclohexanone	108-94-1	5 min EC50 Photobacterium phosphoreum: 25 mg/L; 10 min EC50 Photobacterium phosphoreum: 21.3 mg/L; 5 min EC50 Photobacterium phosphoreum: 18.5 mg/L
Xylene	1330-20-7	24 hr EC50 Photobacterium phosphoreum: 0.0084 mg/L

Ecotoxicity - Water Flea Data

1,2,4-Trimethylbenzene	95-63-6	48 Hr EC50 Daphnia magna: 6.14 mg/L
Cyclohexanone	108-94-1	48 Hr EC50 water flea: 820 mg/L; 48 Hr EC50 Daphnia magna: 800 mg/L
Solvent naphtha (petroleum), light aromatic	64742-95-6	48 Hr EC50 Daphnia magna: 6.14 mg/L
Xylene	1330-20-7	48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Environmental effects Not available

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 80

Packaging exceptions <1L - Consumer Commodity

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.

Canada - WHMIS - Ingredient Disclosure List

1,2,4-Trimethylbenzene	95-63-6	0.1 %
Butane	106-97-8	1 %
Cyclohexanone	108-94-1	0.1 %

WHMIS classification Class A - Compressed Gas, Class B - Division 5; Flammable Aerosol, Class D - Division 2A, 2B

WHMIS status Controlled

WHMIS labeling

Inventory Status

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

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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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