

# MATERIAL SAFETY DATA SHEET (MSDS)

## 01. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY:

- a. **Trade Name** : #824 Oven cleaner  
b. **Manufacturer/Supplier** : SPRAYWAY SINGAPORE PTE LTD  
c. **Address** :  
d. **Telephone/Fax** : Tel: +65 67443075, Fax: +65-67443095  
e. **Effective date** : Dec 6,2023  
f. **Version #** : 02

## 02. COMPOSITION / INFORMATION ON COMPONENTS:

**Chemical Characterization:** stable

a. **Form:** Aerosol

b. Components	Concentration	CAS No
Sodium hydroxide	0.5-1.0%	1310-73-2
sodium Silicate pentahydrate	0.5-1.0%	10213-79-3
sodium nitrite	0.1-0.3%	7632-00-0
TX-10	3-8%	9002-93-1
1-Methoxy-2-propanol	3-8%	107-98-2
deionized water	85-90%	7732-18-5

## 03. HAZARDS IDENTIFICATION:

**Hazard Designation:** Contains gas under pressure, may explode if heated.

**Particular Information Pertaining specification for Environment:**

Dispose of contents/container according to applicable laws and regulations..

## 04. FIRST AID MEASURES:

**Skin Contact:**

Take off polluted/dirty clothes, wash away with soap and water and rinse.

**Eye Contact:**

Open the eyes completely, flush with plenty of water or brine (min 15 minutes), and then go to doctor.

**Inhalation:**

Inhalation of aerosols or steam in high concentration:

Let in fresh air, remove the concerned to fresh air area, keep breathing smoothly, while breathing difficultly, transfer oxygen, if breath and hear stop working, please use artificial respiration and heart massage method, then take to the hospital.

**Ingestion:**

Do not induce vomiting

Flush with plenty of water.

Keep at rest

Call a doctor.

**05. FIRE – FIGHTING MEASURES:**

**EXTINGUISHING MEDIA:** Use fire-extinguishing media appropriate for surrounding materials.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet as an extinguisher, as this will spread the fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Pressurized container may explode when exposed to heat or flame.

**06. ACCIDENTAL RELEASE MEASURES:**

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

**ENVIRONMENTAL PRECAUTIONS:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

**07. HANDLING AND STORAGE:**

**Handling**

Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

**Storage** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Aerosol Level 1

**08. CONTACT CONTROL / PERSONNEL PRECAUTION:**

**Engineering Measures:** while production; make sure the ventilation is adequate.

**Breathing System Precaution:** While the density of the air is up to the standard, suggest to wear filter and anti-hazard mask. Wearing air breathing apparatus or Oxygen Apparatus while doing emergency help and withdrawal.

**Eye Protection:** Wearing Chemical Safety Protective Glass

**Body Protection:** Wearing anti-harm penetrate work clothes

**Hand Protection:** Wearing Anti Oil rubber gloves

**Other Protection:** Do not eat or drink during work, no smoking, Wash after working and change clothes, make physical inspection regularly and before starting new job

#### **09. PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical State:** Liquid

**Form:** Spray Aerosol

**Color:** colorless

**Odor:** None

**PH:** No data available

**Freeze Point, °C:** No data available

**Boiling Point, °C:** 78

**Flash Point, °C:** -104

**Flammability (solid, gas):** flammable Aerosol

**Evaporation Rate:** No data available

**Combustibility:** Does not Support Combustion

**Explosive Limits, %:** 1.1 - 19.0

**Vapor Pressure @20°C, PSI:** 70 - 90

**Vapor Density:** No data available

**Relative Density:** 0.979

**Solubility in Water:** No data available

**Auto-Ignition Temperature, °C:** No data available

#### **10. STABILITY AND REACTIVITY:**

**REACTIVITY:** Not reactive under normal conditions of use.

**STABILITY:** Material is stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No data available

**CONDITIONS TO AVOID:** Avoid heat or contamination

**INCOMPATIBILITY:** No data available

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available

#### **11. TOXICOLOGICAL INFORMATION:**

**SKIN CONTACT EFFECTS:** May cause irritation on prolonged or repeated contact.

**EYE CONTACT EFFECTS:** May cause slight irritation with tearing.

**INHALATION EFFECTS:** Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

**INGESTION EFFECTS:** Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

#### **12. ECOLOGICAL INFORMATION:**

**ECOLOGICAL INFORMATION:** No data available

**PERSISTENCE:** No data available

**BIOACCUMULATE:** No data available

**MOBILITY IN SOIL:** No data available

**13. DISPOSAL CONSIDERATION:**

**DISPOSAL INFORMATION:** Consult with your local, regional and federal agencies for information on proper disposal.

**CONTAMINATED PACKAGING:** Consult with your local, regional and federal agencies for information on proper disposal.

**14. TRANSPORT INFORMATION:**

**DOT**

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2.2

Label(s): –

Packing Group: II

Marine Pollutant: No

Environmental Hazards: No

Marine Pollutant No

Special precautions for user: Not regulated.

**IMDG**

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2.2

Label(s): –

Packing Group: –

Environmental Hazards No

Marine Pollutant Yes

Special precautions for user: Not regulated.

**IATA**

UN Number: UN 1950

Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es):

Class: 2.2

Label(s): –

Packing Group: –

Environmental Hazards No

Marine Pollutant Yes

Special precautions for user: Not regulated.

Cargo aircraft only: Allowed.

**15. REGULATORY INFORMATION:**

Classification according to EEC directives

**Danger Symbol and danger designation:**

Xi Irritant

**Risk-Phrases:**

Irritating to eyes

Vapors may cause drowsiness and dizziness.

**Safety-Phrases:**

Keep out of reach of children

Keep away from sources of ignition-no smoking

Do not breathe spray (Appropriate Wording to be specified by the manufacturer)

In case of Contact with eyes, rinse immediately with plenty of water and seek medical advice.

Do not empty into drains

If swallowed, seek medical advice immediately and show this container or label.

Use only in well-ventilated area.

**16. OTHER INFORMATION:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.