

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Metered Aerosols  
GENERAL USE: Deodorizing Air Care  
UN1950, Aerosols, Flammable, Class 2.1, LTD QTY  
Compressed, gas



|   |  |             |
|---|--|-------------|
| Manufacturers Name: Nilodor Inc.                      | DATE PREPARED: 14 July, 2016<br>SUPERSEDES:  | Page 1 of 4 |
| 10966 Industrial Parkway                              | 1-330-874-1017   |             |
| Bolivar, OH 44612 USA                                 | CHEMTEL EMERGENCY TELEPHONE NUMBER<br>North America: 1-800-255-3924<br>International: +01-813-248-0585 |             |
| DISTRIBUTOR'S NAME: ESG ASIA PACIFIC                  |  |             |
| ADDRESS (NUMBER, STREET, P.O. BOX)<br>61 Seaview Road | TELEPHONE NUMBER FOR INFORMATION<br>PH +64-4-568-4126  |             |
| Lower Hutt 5040<br>New Zealand                        | DISTRIBUTOR EMERGENCY TELEPHONE NUMBER<br>PH +64-21-657-804  |             |

## SECTION 2 - HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW  
H223 Flammable Aerosol  
H280 Contains gas under pressure may explode if heated  
H336 May cause drowsiness or dizziness  
Hazardous Substance / Dangerous Good. Hazardous classification



POTENTIAL HEALTH EFFECTS: May be a mild irritant due to fragrance, no ecological hazards known.

INHALATION: May be a mild irritant if sensitivity to fragrance.

SKIN: Direct and repeated exposure can irritate H315

EYES: Direct exposure can irritate H319

INGESTION: Not expected to be a problem, some mild discomfort

CARCINOGENICITY NO NTP NO IARC MONOGRAPHS NO OSHA REGULATED NO

## SECTION 3 - HAZARDS INGREDIENTS

| Hazarous Components            | % (by Weight) | Cas #    | EINECS #   |
|--------------------------------|---------------|----------|------------|
| Propane                        | 15-40         | 74-98-6  | 200-827-9  |
| Butane                         | 5-10          | 106-97-8 | 203-448-7  |
| Trade Secret Fragrance Mixture | 1-5           | None     | Not Listed |
| 2-Propanone                    | 15-40         | 67-64-1  |            |

Notes: Product is classified as ORMD Consumer Commodity for GROUND

Air / Ocean: UN1950, Aerosols, Flammable, Class 2.1, LTD QTY

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**SECTION 4 - FIRST AID MEASURES**

Use good personal hygiene practices. If skin contact should occur, material should be washed away with a mild soap and water. Wash hands and other exposed areas thoroughly before eating, drinking, smoking or using toilet facilities. Do not smoke, drink or eat in areas where this product is stored or handled. For extensive scale or contamination removal, the following precautions should be taken: the work area should be well-ventilated and access should be restricted, surface contaminants should be kept wet, plastic ground cover should be used to contain contaminants and facilitate clean-up, and high efficiency particulate respirators should be worn unless concentrations are not expected to exceed limits established. Suitable coveralls and gloves should be worn and contaminated protective equipment and clothing should be decontaminated or disposed of.

INHALATION: Remove to fresh air P304, P340

EYES: Flush eyes with copious amounts of water, holding lids open, if irritation persists, consult a physician. P305, P313, P337, P338, P351

SKIN: Wash with soap and water P302, P352, P313

INGESTION: Give water / milk to drink if conscious. P270, P330

**SECTION 5 - FIRE FIGHTING MEASURES**

GENERAL HAZARDS: None Known

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical

FIRE FIGHTING PROCEDURES: As for surrounding fire

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen, and sulfur

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep away from skin and eyes, keep out of surface waters, gather up scattered cans after any discharging, and dispose.

**SECTION 7 - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Take reasonable care, do not puncture cans, keep away from skin, eyes, food, and beverages. Wash hands after use. Keep containers closed and stored at ambient conditions (5-50 C / 40-120 F) P251, P270, P264, P261, P410, P403.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

| HAZARDOUS COMPONENTS | NIOSH   |           |            |            |  |  |  |
|----------------------|---------|-----------|------------|------------|--|--|--|
|                      | TWA ppm | TWA mg/m3 |            | STEL mg/m3 |  |  |  |
| Propane              | TLV1000 |           | Asphyxiant |            |  |  |  |
| Butane               | 1000    |           | Asphyxiant |            |  |  |  |
| Acetone              | 500     |           | 5800mg/kg  |            |  |  |  |
| 2-2Ethoxyethoxy      |         |           |            |            |  |  |  |
| Ethanol              | NONE    |           | 6500mg/kg  |            |  |  |  |

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|   |
|---|
| PERSONAL PROTECTION:  |
| RESPIRATORY PROTECTION: Not normally necessary                                      |
| PROTECTIVE GLOVES: Rubber or protective gloves if handling in large quantities P280 |
| EYE PROTECTION: Goggles if handling in large quantities P280                        |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required                                |
| WORK / HYGIENIC PRACTICES: Keep out of food and beverages P270                      |

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| APPEARANCE AND ODOR Liquid /compressed gas in steel can, odor dependent on description | VAPOR PRESSURE As Water                     |
| pH Not Applicable  | SPECIFIC GRAVITY (WATER = 1) Not Applicable |
| BOILING POINT / BOILING RANGE Not Applicable   | SOLUBILITY IN WATER Partially Soluble       |
| FLASH POINT Concentrate 0 F. Flammable can.  | VISCOSITY As Water                          |
| FLAMMABLE LIMITS Not Determined<br>LEL: UEL:   | VAPOR DENSITY (AIR = 1) Not Determined      |
| AUTOIGNITION TEMPERATURE Not Determined  | EVAPORATION RATE (WATER = 1) As Water       |

#### SECTION 10 - STABILITY AND REACTIVITY

|  |                                 |
|--|---------------------------------|
| STABILITY X UNSTABLE:  | CONDITIONS TO AVOID: None Known |
| INCOMPATIBILITY (MATERIALS TO AVOID): None Known, avoid temperatures > 55C and open flame. |                                 |
| HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None Known  |                                 |
| HAZARDOUS POLYMERIZATION MAY OCCUR: NO   | CONDITIONS TO AVOID: None Known |

#### SECTION 11 - TOXICOLOGICAL INFORMATION

| Hazardous Components     | CAS #<br>EINECS # | LD50 of Ingredient<br>(Specify Species and Route) | LC50 of Ingredient<br>(Specify Species) |
|--------------------------|-------------------|---|---|
| Propane                  | 74-98-6           | Asphyxiant  |   |
| Butane                   | 106-97-8          | Asphyxiant  |   |
| Acetone                  | 67-64-1           | 5800mg/kg   |   |
| 2-2-Ethoxyethoxy Ethanol | 11-90-0           | 6500mg/kg   |   |

#### SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity- None Known, Degradability- Biodegradable, Bioaccumulation- None Known, Mobility in Environment- Not determined

#### SECTION 13 - DISPOSAL CONSIDERATIONS

|  |             |
|--|-------------|
| WASTE DISPOSAL METHOD: Dispose according to Federal, State, or Local Regulations, P501 |             |
|  |             |
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**SECTION 14 - TRANSPORT INFORMATION**

PROPER SHIPPING NAME: Consumer Commodity ORMD

DOT CLASS / Pack Group: ORMD

REFERENCE: 49 CFR

UN / NA IDENTIFICATION NUMBER: UN 1950

LABEL: Aerosols, Flammable

HAZARD SYMBOLS: LTD QTY

IATA HAZARD CLASS / Pack Group: No Packing Group

IMDG HAZARD CLASS: 2.1

RID/ADR Dangerous Goods Code: NA

UN TDG Class / Pack Group: NA

Hazard Identification Number (HIN): UN1950

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**SECTION 15 - REGULATORY INFORMATION**

TSCA (USA - Toxic Substance Control Act) INCLUDED

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act) NO REPORTABLES

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 NO SUBSTANCES PRESENT

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List) INCLUDED

EINECS (European Inventory of Existing Commercial Chemical Substances) NA

WGK Water Quality Index: NA

**SECTION 16 - OTHER INFORMATION****This substance has no schedule number allotted due to NO Poisons**

HMIS HAZARD RATINGS

HEALTH:

FLAMMABILITY:

PHYSICAL HAZARD:

PERSONAL PROTECTIVE  
EQUIPMENT:

1

4

0

N

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

REVISION SUMMARY:

**MSDS Prepared by: KAB (Nilodor Technical)**

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.