



NORSAN

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Product Information – Specification – Health & Safety Sheet

Product : METERED AEROSOL
Air Freshener Sprays

1. DESCRIPTION

Norsan's fine range of Metered Aerosol Sprays, which are available in 8 fragrances, all containing essential oils.

With Norsan's unique blend of perfumes, each can dispenses over 3000 concentrated metered sprays. Packed 12 x 250 ml cans.

Norsans Metered Aerosols can be used with the CH076 Digital Aerosol Dispenser or the CHAD430 Metered Aerosol Dispenser.

N0610	Aromalux	Relax with the aroma of natural lavender oil.
N0516	Wild Berry	The natural warm freshness of 'sweet' smelling wild fruit.
N0606	Mandarin Orange	A basket of ripe Mandarin Oranges with a hint of citrus fruits.
N0609	Ice Blue	Mountain freshness
N0517	Francesca	A blend of soft summer fruits and roses.
N0746	Sweet Pea	A country garden with a mix of sweet pea petals.
N0607	Orchard	The crispness of spring and summer garden blossoms.
N0608	Crystal Waters	Early morning dew.

Container Sizes & Types

12 x 250ml can.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ETHANOL 30-50%

EINECS: 200-578-6 CAS: 64-17-5

[F] R11

• PROPANE 10-30%

EINECS: 200-827-9 CAS: 74-98-6

[F+] R12

• ISOBUTANE 1-10%

EINECS: 200-857-2 CAS: 75-28-5

[F+] R12

• BUTANE 10-30%

EINECS: 203-448-7 CAS: 106-97-8

[F+] R12

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Do not use equipment in clean-up procedure which may produce sparks. Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. HANDLING AND STORAGE

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ETHANOL

TWA 1920 mg/m³

• PROPANE

TWA 1800 mg/m³ STEL 7200 mg/m³

• ISOBUTANE

TWA 2400 mg/m³ STEL 9600 mg/m³

• BUTANE

TWA 1450 mg/m³ STEL 1810 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Colourless

Odour: Pleasant

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Flash point °C: -59

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Stable at room temperature.

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: ETHANOL

IVN RAT LD50 1440 mg/kg

ORL MUS LD50 3450 mg/kg

ORL RAT LD50 7060 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1950 **ADR Class:** 2

Shipping name: AEROSOLS

Labelling: 2.1

IMDG / IMO

UN no: 1950 **Class:** 2

EmS: 2-13 **Labelling:** 2.1

IATA / ICAO

UN no: 1950 **Class:** 2

Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.

Risk phrases: R12: Extremely flammable.

Safety phrases: S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S2: Keep out of the reach of children.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe spray.

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

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R11: Highly flammable.

R12: Extremely flammable.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.