



Material Safety Data Sheet

INO Metered Air Freshener - 30/90 days (L3, Group A)

1. Product and company identification

Product Category(ies) : INO Metered Air Freshener - 30/90 days (L3, Group A)
Product code : B67701 **Product name** : INO Mango 90 Day
B67901 INO Summer Breeze 90 Day
B68301 INO French Kiss 90 Day
B69501 INO Country Garden 30 Day
B70101 INO Mango 30 Day
B70501 INO Voo Doo Berry 30 Day
B70901 INO French Kiss 30 Day
Supplier/Manufacturer : Amrep, Inc
990 Industrial Park Drive
Marietta, GA 30062
Telephone number : (770) 422-2071 (Mon - Fri / 8a - 5p ET)
D.O.T. Emergency phone : CHEM TEL (800) 255-3924 INTERNATIONAL: +01-813-248-0584
Date of issue : 12/19/16 **Date of previous issue** : 11/12/13

2. Hazards identification

Emergency overview

HMIS: Section 15

Signal word : DANGER!

Hazard statements : EXTREMELY FLAMMABLE AEROSOL. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED

Potential Health Effects : See Section 11 for more detailed information on health effects and symptoms.

Routes of entry : Dermal contact. Eye contact. Inhalation.

Eyes: Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin: May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

Ingestion: Unlikely in this form.

Inhalation: Harmful by inhalation. Irritating to respiratory system. Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation.

Chronic effects : Prolonged or repeated contact may dry skin and cause irritation.

Medical conditions aggravated by over-exposure : Pre-existing respiratory and skin disorders and disorders involving any other target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

Target organs : Contains material which may cause damage to the following organs: blood, heart, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

See toxicological information (Section 11)

3. Composition/information on ingredients

Name	CAS number	%
acetone	67-64-1	30 - 60
Ethoxydiglycol; 2-(2-ethoxyethoxy)-ethanol	111-90-0	10 - 30
propane	74-98-6	10 - 30
Naphtha (petroleum), light alkylate	64741-66-8	1 - 5

4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, Get medical attention.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product : Flammable aerosol.

Extinguishing media

Suitable : Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam.

Not suitable : None known.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Put on appropriate personal protective equipment (see Section 8). Keep unnecessary personnel away. Eliminate all ignition sources. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Large spills are unlikely due to packaging.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous.
- Storage** : Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Keep out of the reach of children.

8. Exposure controls/personal protection

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Ingredient	Exposure limits
acetone	<p>ACGIH TLV (United States, 3/2012). TWA: 500 ppm 8 hours. TWA: 1188 mg/m³ 8 hours. STEL: 750 ppm 15 minutes. STEL: 1782 mg/m³ 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 750 ppm 8 hours. TWA: 1800 mg/m³ 8 hours. STEL: 1000 ppm 15 minutes. STEL: 2400 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 1/2013). TWA: 250 ppm 10 hours. TWA: 590 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 6/2010). TWA: 1000 ppm 8 hours. TWA: 2400 mg/m³ 8 hours.</p>
Ethoxydiglycol; 2-(2-ethoxyethoxy)ethanol	<p>AIHA WEEL (United States, 10/2011). TWA: 25 ppm 8 hours.</p>
propane	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours.</p> <p>NIOSH REL (United States, 1/2013). TWA: 1000 ppm 10 hours. TWA: 1800 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 6/2010). TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours.</p> <p>ACGIH TLV (United States, 3/2012). TWA: 1000 ppm 8 hours.</p>

Engineering measures : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protection

HMIS: Section 15

- Eyes** : No special precautions are necessary if used as intended.
- Respiratory** : No protective clothing is required under normal conditions of use.
 : No personal respiratory protective equipment normally required.

9. Physical and chemical properties

- Physical state** : Liquid. Aerosol.
- Flash point** : Closed cup: -6.6°C (20.1°F)
- Color** : Colorless.
- Odor** : Characteristic.
- Relative density** : 0.73 (liquid Conc.)
- Volatility** : > 90% (w/w)
- VOC (Consumer)** : <=30 % (w/w) 235 g/l)

10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame).
 Not available.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of hazardous reactions** : carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
acetone	LD50 Oral	Rat	5800 mg/kg	-
Ethoxydiglycol; 2-(2-ethoxyethoxy)ethanol	LD50 Dermal	Rabbit	4150 mg/kg	-
Naphtha (petroleum), light alkylate	LD50 Oral	Rat	5540 mg/kg	-
	LD50 Dermal	Rabbit	>3160 mg/kg	-
	LD50 Oral	Rat	>10000 mg/kg	-

Skin : Irritating to eyes. Inflammation of the eye is characterized by redness, watering and itching.

Eyes : Irritating to skin. Skin inflammation is characterized by itching, scaling, or reddening.

Respiratory : Irritating to respiratory system. Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation.

Chronic toxicity

Carcinogenicity

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
acetone	A4	-	-	-	-	-

12. Ecological information

Ecotoxicity : May cause long-term adverse effects in the aquatic environment.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
acetone	Acute EC50 20.565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 100 mg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Ethoxydiglycol; 2-(2-ethoxyethoxy)ethanol	Acute LC50 3340000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 6010000 µg/l Fresh water	Fish - Ictalurus punctatus	96 hours


13. Disposal considerations

Waste disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Waste classification :

14. Transport information

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Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	-	Consumer commodity or Limited quantity	ORM-D	-		-
TDG Classification	-	Limited quantity	-	-		-

PG* : Packing group

15. Regulatory information

United States

SARA Title III

SARA 302/304: No products were found.

CERCLA: Hazardous substances.: acetone: 5000 lbs. (2270 kg); Ethoxydiglycol; 2-(2-ethoxyethoxy)ethanol: No RQ is being assigned to the generic or broad class.;

US INVENTORY (TSCA) : All components are listed or exempted.

No products were found.

Hazardous Material Information System (U.S.A.)

Health 1 Flammability 3 Reactivity 0

National Fire Protection Association (U.S.A.)

Health 1 Flammability 3 Instability/Reactivity 0 Special

Canada

WHMIS (Classification)

: Class A: Compressed gas.
Class B-5: Flammable aerosol.
Class D-2B: Material causing other toxic effects (Toxic).

WHMIS (Pictograms)



CANADA INVENTORY (DSL) : All components are listed or exempted.

16. Other information

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.