

# Safety Data Sheet

## INTERIOR PURIFIER



**Safety Data Sheet dated 5/4/2020, version 1.0**  
**This version cancels and substitutes any previous version**

### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: INTERIOR PURIFIER

Recommended use of the chemical and restrictions on use

Recommended use:

Purifier treatment for interiors

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Responsible party:

ERRECOM USA LLC

350, Lincoln Rd.

33139 Miami Beach, FL.

+1 786 7967862

Manufacturer:

ERRECOM SPA

Via Industriale, 14

25030 Corzano (BS) Italy

Competent person responsible for the safety data sheet:

lab@errecom.it

Emergency phone number

+1 786 7967862 (Mo-Fr, 02h30-06h00, 07h30-12h00 UTC -05:00)

### 2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Danger, Flam. Aerosol 1, Extremely flammable aerosol.



Warning, Eye Irrit. 2A, Causes serious eye irritation.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H222 Extremely flammable aerosol.

H319 Causes serious eye irritation.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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P264 Wash the parts that come into contact thoroughly after handling.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	/	1
FLAMMABILITY		4
PHYSICAL HAZARD		1
PERSONAL PROTECTION		A

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures


Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

Qty	Name	Ident. Number	Classification
>= 20% - < 25%	ethanol	Index 603-002-00-5 number: CAS: 64-17-5 EC: 200-578-6 REACH No.: 01-21194576 10-43-XXXX	B.6/2 Flam. Liq. 2 H225 A.3/2A Eye Irrit. 2A H319
>= 2.5% - < 5%	ethanediol	Index 603-027-00-1 number: CAS: 107-21-1 EC: 203-473-3 REACH No.: 01-21194568 16-28-XXXX	A.1/4/Oral Acute Tox. 4 H302
>= 1% -	propan-2-ol	Index 603-117-00-0	B.6/2 Flam. Liq. 2 H225

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< 2.5%		number: CAS: 67-63-0 EC: 200-661-7 REACH No.: 01-21194575 58-25-XXXX	A.3/2B Eye Irrit. 2B H320  A.8/3 STOT SE 3 H336
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### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

No information available.

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

No information available.

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not use on extensive surface areas in premises where there are occupants.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.

#### Conditions for safe storage, including any incompatibilities

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.  
Keep away from food, drink and feed.  
Incompatible materials:  
See subsection 10.5  
Instructions as regards storage premises:  
Cool and adequately ventilated.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

##### ethanol - CAS: 64-17-5

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr  
AGW - TWA(8h): 960 mg/m<sup>3</sup>, 500 ppm - STEL(15min): 1920 mg/m<sup>3</sup>, 1000 ppm  
MAK - TWA(8h): 960 mg/m<sup>3</sup>, 500 ppm - STEL(15min): 1920 mg/m<sup>3</sup>, 1000 ppm  
VLA - STEL(15min): 1910 mg/m<sup>3</sup>, 1000 ppm  
VLEP - TWA(8h): 1900 mg/m<sup>3</sup>, 1000 ppm - STEL(15min): 9500 mg/m<sup>3</sup>, 5000 ppm  
WEL - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm  
TLV - TWA(8h): 1900 mg/m<sup>3</sup>, 1000 ppm  
GVI - TWA(8h): 1900 mg/m<sup>3</sup>, 1000 ppm  
NDS - TWA(8h): 1900 mg/m<sup>3</sup>  
NPHV - TWA(8h): 960 mg/m<sup>3</sup>, 500 ppm - STEL(15min): 1920 mg/m<sup>3</sup>

##### ethanediol - CAS: 107-21-1

EU - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL: 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
ACGIH - TWA(8h): 25 ppm - STEL: 50 ppm - Notes: (V), A4 - URT irr  
AGW - TWA(8h): 26 mg/m<sup>3</sup>, 10 ppm - STEL(15min): 52 mg/m<sup>3</sup>, 20 ppm - Notes: Skin  
MAK - TWA(8h): 26 mg/m<sup>3</sup>, 10 ppm - STEL(15min): 52 mg/m<sup>3</sup>, 20 ppm - Notes: Skin  
VLA - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
VLEP - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
WEL - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm  
TLV - TWA(8h): 125 mg/m<sup>3</sup>, 50 ppm - STEL(15min): 125 mg/m<sup>3</sup>, 50 ppm  
GVI - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
TLV - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
NDS - TWA(8h): 15 mg/m<sup>3</sup> - STEL(15min): 20 mg/m<sup>3</sup>  
NPHV - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
ESD - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
OEL - TWA(8h): 52 mg/m<sup>3</sup>, 20 ppm - STEL(15min): 104 mg/m<sup>3</sup>, 40 ppm - Notes: Skin  
ACGIH - STEL: 10 mg/m<sup>3</sup> - Notes: (I, H), A4 - URT irr

##### propan-2-ol - CAS: 67-63-0

ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair  
AGW - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm - STEL(15min): 1000 mg/m<sup>3</sup>, 400 ppm  
MAK - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm - STEL(15min): 1000 mg/m<sup>3</sup>, 400 ppm

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VLA - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm - STEL(15min): 1000 mg/m<sup>3</sup>, 400 ppm  
VLEP - STEL(15min): 980 mg/m<sup>3</sup>, 400 ppm  
WEL - TWA(8h): 999 mg/m<sup>3</sup>, 400 ppm - STEL(15min): 1250 mg/m<sup>3</sup>, 500 ppm  
TLV - TWA(8h): 980 mg/m<sup>3</sup>, 400 ppm - STEL(15min): 1225 mg/m<sup>3</sup>, 500 ppm  
NDS - TWA(8h): 900 mg/m<sup>3</sup> - STEL(15min): 1200 mg/m<sup>3</sup>  
NPHV - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm - STEL(15min): 1000 mg/m<sup>3</sup>  
MV - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm  
GVI - TWA(8h): 999 mg/m<sup>3</sup>, 400 ppm - STEL(15min): 1250 mg/m<sup>3</sup>, 500 ppm

### DNEL Exposure Limit Values

N.A.

### PNEC Exposure Limit Values

N.A.

### Appropriate engineering controls:

None

### Individual protection measures

#### Eye protection:

Protective airtight goggles.

#### Protection for skin:

Not needed for normal use.

#### Protection for hands:

Not needed for normal use.

#### Respiratory protection:

In case of exceeding the threshold value of the substance or one or more of the substances present in the product, it is advisable to wear a mask with type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of respiratory protective equipment is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by the masks is limited.

### Thermal Hazards:

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic perfumed
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	32 ° F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Density:	0.6 g/mL (+20°C/+68°F)
Solubility in water:	partial
Solubility in oil:	soluble
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Miscibility:	N.A.

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Fat Solubility: N.A.  
Conductivity: N.A.  
Substance Groups relevant properties N.A.

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### 10. STABILITY AND REACTIVITY

Reactivity  
Stable under normal conditions  
Chemical stability  
Stable under normal conditions  
Possibility of hazardous reactions  
Under normal use and storage conditions, no hazardous reactions are expected.  
Conditions to avoid  
Avoid overheating, electrostatic discharge and all sources of ignition.  
Incompatible materials  
Strong oxidizing agents.  
Hazardous decomposition products  
No data available

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### 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects  
Toxicological information of the product:  
INTERIOR PURIFIER  
a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met  
b) skin corrosion/irritation  
Not classified  
Based on available data, the classification criteria are not met  
c) serious eye damage/irritation  
The product is classified: Eye Irrit. 2A H319  
d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met  
e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met  
f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met  
g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met  
h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met  
i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met  
j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met  
Toxicological information of the main substances found in the product:  
ethanol - CAS: 64-17-5  
a) acute toxicity:

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Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
Test: LC50 - Route: Inhalation - Species: Mouse > 20 mg/l - Duration: 4h  
ethanediol - CAS: 107-21-1  
a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit 9530 mg/kg  
propan-2-ol - CAS: 67-63-0  
a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat 4710 mg/kg  
Test: LD50 - Route: Skin - Species: Rat 12800 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat 76.2 mg/l - Duration: 4h  
Test: LD50 - Route: Skin - Species: Rabbit 6290 mg/kg  
ethanediol - CAS: 107-21-1  
LD50 (RABBIT) ORAL: 5017 MG/KG BW

Substance(s) listed on the NTP report on Carcinogens:  
None.

Substance(s) listed on the IARC Monographs:  
propan-2-ol - Group 3.

Substance(s) listed as OSHA Carcinogen(s):  
None.

Substance(s) listed as NIOSH Carcinogen(s):  
None.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

propan-2-ol - CAS: 67-63-0

#### a) Aquatic acute toxicity:

Endpoint: EC0 - Species: Fish 10000 mg/l - Duration h: 48 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish > 1400 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: LC50 - Species: Fish 6550 mg/l - Duration h: 96 - Notes: Pimephales promelas

### Persistence and degradability

ethanediol - CAS: 107-21-1

Biodegradability: Readily biodegradable - Test: Solubility in water - Notes: 1000 - 10000 mg/L

### Bioaccumulative potential

ethanol - CAS: 64-17-5

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.350000-

ethanediol - CAS: 107-21-1

Bioaccumulation: Very low bioaccumulative - Test: Kow - Partition coefficient 1.360000-

propan-2-ol - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.05

### Mobility in soil

ethanediol - CAS: 107-21-1

Mobility in soil: Mobile - Notes: Source: bibliography

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Other adverse effects  
None

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### 13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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### 14. TRANSPORT INFORMATION

UN number

ADR-UN Number: 1950

DOT number: 1950

IATA-UN Number: 1950

IMDG-UN Number: 1950

UN proper shipping name

ADR-Shipping Name: AEROSOLS, flammable

DOT-Shipping Name: Aerosols, flammable

IATA-Shipping Name: Aerosols, flammable

IMDG-Shipping Name: AEROSOLS

Transport hazard class(es)

ADR-Class: 2.1

DOT Hazard Class: 2.1

ADR-Label: 2.1

IATA-Class: 2.1

IATA-Label: 2.1

IMDG-Class: 2.1

IMDG-Class: 2.1

Packing group

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

DOT Special provisions: N82

ADR-Transport category (Tunnel restriction code): D

IATA-Passenger Aircraft: Y203

IATA-Cargo Aircraft: Y203

IMDG-EMS: F-D, S-U

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### 15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

ethanol is listed in TSCA Section 8b

ethanediol is listed in TSCA Section 8b

propan-2-ol is listed in TSCA Section 8b, Section 8d HSDR.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: ethanediol.



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Section 313 – Toxic chemical list: ethanediol, propan-2-ol.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
Substance(s) listed under CERCLA: ethanediol - Reportable quantity: 5000 pounds.  
Reportable quantity for mixture: 120732.7026 pounds.

CAA - Clean Air Act

CAA listed substances:

ethanol is listed in CAA Section 111

ethanediol is listed in CAA Section 112(b) - HON, Section 112(b) - HAP, Section 111

propan-2-ol is listed in CAA Section 111.

CWA - Clean Water Act

CWA listed substances:

ethanol is listed in CWA Section 304

propan-2-ol is listed in CWA Section 304.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

ethanediol - Listed as reproductive toxicant.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

ethanol

ethanediol

propan-2-ol.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

ethanol

ethanediol

propan-2-ol.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

ethanol

ethanediol

propan-2-ol.

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## 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H302 Harmful if swallowed.

H320 Causes eye irritation.

H336 May cause drowsiness or dizziness.

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of  
Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

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CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average