



Material Safety Data Sheet

Date of Issue: 2022-12-25

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product Name: SMOKE DETECTOR / IMPA: 331074

1.2 Chemical Classification: TESTER SPRAY

1.3 Company Details:

Manufacturer/Supplier: ASTE GLOBAL PTE LTD

Address: No.1 TUAS LINK 1 (SINGAPORE) 638583

Tel.: (+65) 6862 1212

Email: info@aste.com.sg

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS#	%
Liquefied petroleum gas	68476-85-7	40%
Ethanol	64-17-5	20%
Frankincense oil	8016-36-2	20%
Fenflumizol	68917-18-0	20%

3. HAZARDS IDENTIFICATION

3.1 Hazard classification:

Hazardous according to the criteria of ASCC.

Classification of material Xn - Harmful

Risk phrases:

R12 Extremely flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Also harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Safety phrases:

S23 Do not breathe gas/fumes/vapour/spray.

S35 This material and its container must be disposed of in a safe way.

S36/37 Wear suitable protective clothing and gloves.

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

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Dangerous Goods information:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Avoid contact with skin and eyes.

Use only in well-ventilated areas

4 FIRST AID MEASURES

4.1 Ingestion:

Seek medical advice, Do not induce vomiting., Rinse with running water and soap, Obtain medical attention if irritation persists.

4.2 Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.

4.2 Inhalation: Fresh air, consult doctor. Seek medical attention from a specialist.

4.3 Skin contact: Wipe off paste with paper towel or cloth. Wash with soap and water.

4.4 Medical attention and special treatment: Aspiration may cause pulmonary edema or aspiration pneumonia.

4.5 First Aid facilities: Eye wash, Normal washroom facilities.

5 FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media: Alcohol foam, carbon dioxide, earth, Water spray or fog, sand

5.2 Decomposition products in case of Fire: Toxic and irritating vapors

5.3 Particular danger in case of fire: Fire hazard when exposed to heat or flame.

5.4 Special protective equipment for fire-fighters: Evacuate the area promptly, Wear full protective clothing

6. ACCIDENTAL RELEASE MEASURE

6.1 Personal precautions and emergency procedures: Ensure adequate ventilation. Wear protective equipment. Keep away from sources of ignition. Don't breathe vapours or aerosole. Remove sources of ignition.

6.2 Environmental precautions: Do not allow to enter the ground / soil. Do not allow to enter in surface / ground water.

6.3 Clean-up methods: For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for disposal

7. HANDLING AND STROAGE

7.1 Precautions for safe handling: Keep container tightly sealed. Ensure adequate ventilation. No smoking. Avoid skin and eye contact.

7.2 Store in a cool, dry place. Keep container in a well ventilated place. Keep away from sources of ignition and naked flames. Keep away from heat and direct sunlight. Avoid static electricity.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

8.1 Engineering controls: Ensure good ventilation/extraction.

8.2 Eyes: Safety glasses or goggles

8.3 Skin: Nitrile or polyethylene gloves and aprons

8.4 Respiratory protection: If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical state: light brown , liquid

9.2 Odor: Petroleum

9.3 Flash point: 80 °C

9.4 Solubility: Solvent: Water, practically insoluble

10. STABILITY AND REACTIVITY

10.1 Stability: Stable under recommended storage conditions.

Conditions to avoid: Avoid heating. Protect from direct sunlight. Heat, flames, sparks and other sources of ignition. Avoid static discharge.

10.2 Incompatible materials: Reaction with strong oxidants.

10.3 Hazardous decomposition: Irritating and toxic gases or fumes may be released during a fire.

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

11.1 Ingestion: May cause gastrointestinal tract irritation if swallowed.

If swallowed, may be aspirated into the lungs resulting in inflammation and possible fluid accumulation.

11.2 Skin: May cause mild skin irritation.

11.3 Eyes: This product may cause slight irritation to the eyes.

11.4 Inhalation: Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.

11.5 Aggravated medical condition: None known

11.6 Toxicity data: No data available.

12. ECOLOGICAL INFORMATION

12.1 Environmental Effects: Do not empty into drains / surface water / ground water.

12.2 Bioaccumulation: No bioaccumulation potential

13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Collection and delivery to recycling enterprise or other registered elimination institution.

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

Road and Rail Transport:

Dangerous Goods information: Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

UN no.: 1950

Proper shipping name: AEROSOLS (Petroleum distillates,Petroleum gases, liquefied)

Class or division: 2

Packaging group:

Emergency information: Refer to the Dangerous Goods - Initial Emergency Response Guide HB 76.

EPG: 3A1

Marine transport IMDG:

UN no.: 1950

Proper shipping name: AEROSOLS (Petroleum distillates,Petroleum gases, liquefied)

Class or division: 2.1

Packaging group:

EmS: F-D ,S-U

Seawater pollutant: -

Air transport IATA:

UN no.: 1950

Proper shipping name: Aerosols, flammable (Petroleum distillates,Petroleum gases, liquefied)

Class or division: 2.1

Packaging group:

Packaging instructions (passenger) 203

Packaging instructions (cargo) 203

15. REULATORY INFORMATION

15.1 According to local regulations.

16. OTHER INFORMATION

NONE