MATERIAL SAFETY DATA SHEET

Safetec Ammonia Inhalants

IDENTITY (AS USED ON LABEL AND LIST)

MANUFACTURER'S NAME
Safetec of America, Inc.

ADDRESS (NUMBER, STREET, P.O. BOX)
887 Kensington Ave.

(CITY, STATE AND ZIP CODE)
Buffalo, NY 14215

HAZARD CLASS/PGK. GRP.
8 / III

IDENTIFICATION NUMBER
UN3244

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))

<table>
<thead>
<tr>
<th>CAS #</th>
<th>% (wt.) (OPTIONAL)</th>
<th>OSHA PEL/TWA</th>
<th>ACGIH</th>
<th>OSHA TLV/TWA/STEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>766-41-7</td>
<td>25 ppm(TLV/TWA)</td>
<td>50 ppm(PEL/TWA)</td>
<td>300 ppm(IDLH)</td>
<td></td>
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<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>35 ppm(TLV/STEL)</td>
<td>1000 ppm(TLV)</td>
<td>1000 ppm(PEL)</td>
<td>3300 ppm(LEL)</td>
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</tbody>
</table>

This product is not known to contain a substance subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR 372 at or above minimal amounts.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: Brief (minutes) inhalation will cause irritation of the upper respiratory tract, although constant inhalation may also cause headaches, dizziness, or breathing difficulty.

SKIN: Contact with skin may cause mild skin irritation and burns.

EYES: Contact to liquid or vapors will cause mild to extreme irritation; Severe exposure to the eyes may cause blindness.

INGESTION: Ingestion of this product will cause severe irritation, burning, and pain associated symptoms such as nausea, vomiting, diarrhea or death.

EMERGENCY AND FIRST AID PROCEDURES

Remove victim to fresh air; provide oxygen if breathing is difficult; seek medical attention if required.

Wash contaminated skin with large amounts of water; if irritation occurs and persists, seek medical attention. Wash contaminated clothing.

Immediately flush eyes with clear running water for a minimum of 25 minutes while holding eyelids open; get medical attention.

CONTACT A POISON CONTROL CENTER IMMEDIATELY. DO NOT induce vomiting. DO NOT give liquids if the victim is unconscious or drowsy. Otherwise, give LARGE AMOUNTS OF WATER. Seek immediate medical attention.

HEALTH HAZARDS (ACUTE AND CHRONIC):
This product is not considered a health hazard.

CARCINOGENICITY
NTP? No IARC MONOGRAHS? No REGULATED? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Preexisting skin, eye, or respiratory disorders may become aggravated through exposure.
**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED) | FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)
---|---
78.1°F (closed cup) | LEL: Unknown UEL: Unknown

**EXTINGUISHING MEDIA**
Water spray, dry chemicals, alcohol-type or all-purpose foam, CO_2_

**SPECIAL FIRE FIGHTING PROCEDURES**
Positive pressure NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS**
Concentrated vapors may be flammable.

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**SECTION 5 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED**
Remove all sources of ignition. Avoid prolonged exposure to vapors. Spills should be collected, not washed into sewer or environment. Use suitable disposal DOT containers. Report per regulatory requirements. Wear NIOSH approved self-contained breathing apparatus, protective clothing, gloves and goggles.

**WASTE DISPOSAL METHODS**
Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**
Keep container(s) tightly closed when not in use. Avoid inhalation of vapors. Store in cool, dry, well ventilated area away from oxidizers, flame, ignition sources acids, iodine and Chlorine products, and heat. Keep this and other chemicals out of reach of children.

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**SECTION 6 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION**
Ordinary, none required

**VENTILATION**
LOCAL EXHAUST: Recommended for individual packets, required for bulk material.

**MECHANICAL (GENERAL):** Recommended for individual packets, required for bulk material.

**PROTECTIVE GLOVES**
None required for individual packets, required for bulk material.

**EYE PROTECTION**
None required for individual packets, required for bulk material.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**
Eye wash stations should be nearby and ready for use.

**WORK/HYGIENIC PRACTICES**
Practice safe work habits. Use according to label instructions.

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**SECTION 7 - PHYSICAL/CHEMICAL PROPERTIES**

**BOILING POINT**
N/A

**SPECIFIC GRAVITY (WATER = 1)**
0.91

**VAPOUR PRESSURE (mm Hg)**
No data

**MELTING POINT**
Not applicable

**VAPOUR DENSITY (AIR = 1)**
No data

**pH**
>12

**SOLUBILITY IN WATER**
Liquid is soluble

**EVAPORATION RATE (IPA = 1)**
N/A

**APPEARANCE AND ODOR**
Off-white, premoistened towelette; ammonia odor

**% VOLATILES (BY VOLUME)**
N/A

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**SECTION 8 - STABILITY AND REACTIVITY**

**STABILITY**
UNSTABLE: XXX

**CONDITIONS TO AVOID**
Flame, sources of ignition, heat

**INCOMPATIBILITIES (MATERIALS TO AVOID)**
Oxidizers, acids, bleach, iodine, metals, dimethyl sulfate, iodine and Chlorine containing products.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**
Thermal decomposition may emit ammonia, carbon oxides, nitrogen oxides and hydrogen; other unidentified organic compounds

**HAZARDOUS POLYMERIZATION**
MAY OCCUR: XXX

**WILL NOT OCCUR:**

The information contained herein is believed to be accurate but is not warranted to be so. 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.