

MORPHOLINE

| INGREDIENTS | CAS NO | % | 8HR OEL |
|-------------|----------|-----|----------|
| morpholine | 110-91-8 | >99 | 71 mg/m3 |



UN No: **2054**
 Hazchem Code: **•2W**
 DG Class: **8**
 Subsidiary Risk: **3**
 Packing Group: **I**
 Poisons Schedule: **Not Applicable**



NFPA Rating:

- ▶ 0: Minimum
- ▶ 1: Low
- ▶ 2: Moderate
- ▶ 3: High
- ▶ 4: Extreme

PROPERTIES



Liquid.
 Mixes with water.
 Corrosive.
 Alkaline. Flammable.

EMERGENCY



FIRST AID

| | |
|-----------------------------|---|
| Swallowed: | Give water (if conscious). URGENT MEDICAL ATTENTION. Do NOT give milk or oil. Do NOT give alcohol. |
| Eye: | Wash with running water (15 mins). Medical attention. |
| Skin: | Flood body with water. Remove contaminated clothing. Wash with water |
| Inhaled: | Fresh air. Rest, keep warm. If breath shallow, give oxygen. Medical attention. |
| Advice To Doctor: | Supportive care. Irrigate eyes with saline. Supportive care. |
| Fire Fighting: | Keep containers cool. Water spray/ fog. |
| Spills and Disposal: | Eliminate ignition sources. Prevent from entering drains. Contain spillage by any means. Absorb with dry agent. Stop leak if safe to do so. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water. |

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS

| | | | |
|-----------|-------|-------------|-----------|
| | | | |
| Explosive | Toxic | Radioactive | Oxidizing |
| x | x | x | x |

x — Must not be stored together

HEALTH HAZARD INFORMATION



Acute Health Effects:

Harmful by inhalation, in contact with skin and if swallowed.
 Causes burns.
 Risk of serious damage to eyes.

PRECAUTIONS FOR USE



| | |
|--|---|
| Appropriate engineering controls: | Local Exhaust Ventilation recommended. |
| Glasses: | Consider chemical goggles. Consider full face-shield. |
| Gloves: | 1.BUTYL 2.PVA 3.NATURAL RUBBER |
| Respirator: | Type AK Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent) |
| Storage and Transportation: | Restrictions on Storage apply. Refer to Full Report. Keep locked up. Keep out of reach of children. Keep away from living quarters. Keep away from food, drink and animal feeding stuffs. |
| Fire/Explosion Hazard: | HIGHLY FLAMMABLE. Vapours/gas heavier than air. Toxic smoke/fumes in a fire. |