

Safety Data Sheet
1.2% (-)-Nicotine Solution

Section 1: Chemical Product and Company Identification

Product Name: 1.2% (-)-Nicotine Solution
Catalog Codes: NS-12MG-60ML, NSA-12MG-60ML, NS-12MG-120ML, NSA-12MG-120ML, NS-12MG-250ML, NSA-12MG-250ML, NS-12MG-500ML, NSA-12MG-500ML, NS-12MG-1GAL, NSA-12MG-1GAL

Synonyms: 12mg/ml Nicotine Solution
CAS#: Mixture
54-11-5, 56-81-5, 57-55-6

Contact Information:
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Section 2: Hazards Identification

Emergency Overview: Harmful in case of ingestion, of skin contact, of eye contact, of inhalation.

Potential Chronic Health Effects:

Carcinogenic Effects: Not available

Mutagenic Effects: Not available

Teratogenic Effects: Not available

Target organs: Central nervous system, cardiovascular system, gastro-intestinal system, nervous system, upper respiratory tract. Repeated or prolonged exposure may produce target organ damage.

Section 3: Composition / Ingredient Information

Principal Hazardous Component: Nicotine (54-11-5) – 1.2% w/v

Other Ingredients: Propylene Glycol (57-55-6), Glycerin (56-81-5) - Balance

Section 4: First Aid Measures

Eyes: Immediately flush the eyes with water or eye wash solution for 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention.

Skin: Remove contaminated clothing and wash the affected area immediately with soap and cold water. Seek medical attention.

Ingestion: Call Poison Control immediately. Rinse mouth with cold water. Seek medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Seek medical attention.

Section 5: Firefighting Measures

Product Flammability: Not flammable or combustible.

Extinguisher Media: Use media suitable to extinguish surrounding fire.

Protective Equipment: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

NPFA Rating:

Health: 0

Fire: 1

Reactivity: 0



Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Isolate the hazard area and evacuate unprotected personnel to safe area. Ventilate area and contain spill with sand or absorbent material. Prevent large spills from entering drains. Discharge into the environment or waterways must be avoided. Place all contaminated material in a sealed bag or container for disposal. Wash spill area after pickup is complete. See Section 13 for disposal information.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Use with adequate ventilation and avoid breathing vapor or fumes.

Storage: Keep container tightly closed in a cool, dry, well-ventilated place. Containers that are opened must be resealed and stored upright to prevent leakage. Air and light sensitive. Hygroscopic.

Section 8: Exposure Controls / Personal Protection

Eye Protection: Chemical splash goggles should be worn. Eyewash bottle or station should be readily available.

Respiratory Protection: None needed under normal conditions of use with adequate ventilation. Use NIOSH/MSHA chemical cartridge respirator if PEL or TVL is exceeded.

OSHA PEL: 0.5 mg/m³, ACGIH TLV: 0.5mg/m³

Skin Protection: Chemical resistant clothing and gloves should be worn. Wash hands thoroughly after handling material and before eating or drinking.

Section 9: Physical and Chemical Properties

Appearance: Clear to yellow/brown liquid

Odor: Fish (Slight)

Taste: Sweet, acrid, peppery

Molecular Weight: NA

Density: 1.03 to 1.26 g/cm³ at 20°C

pH: NA

Solubility: Completely miscible

Boiling Point: NA

Melting Point: NA

Volatility: NA

Section 10: Stability and Reactivity

Chemical stability: Stable

Conditions to avoid: NA

Incompatibility: Strong oxidizers, acids

Hazardous decomposition products: Carbon oxides, and nitrogen oxides formed under fire conditions.

Shelf life: Indefinite if stored properly.

Section 11: Toxicology Information

Toxicity Data:

Acute oral toxicity (LD50): 3141 mg/kg (Rat) (Calculated for mixture)

Acute dermal toxicity (LD50): 5133 mg/kg (Rabbit) (Calculated for mixture)

Acute inhalation toxicity (LC50): NA

Chronic Effects: NA

Section 12: Ecological Information

Ecotoxicity: Toxic to aquatic life. Discharge into the environment or waterways must be avoided.

EPA Waste Numbers: NA

Section 13: Disposal Considerations

Waste Disposal: Dispose in accordance with federal, state and local environmental control regulations.

Section 14: Transportation Information

DOT Classification: Not regulated for transport
This mixture does not qualify as Class 6, Division 6.1 Hazardous Material per DOT CFR 49 § 173.132

Section 15: Regulatory Information

EPA TSCA Status: On TSCA inventory
CERCLA Section 103 RQ(lb.): Nicotine – 100 lbs
RCRA Section 261.33: NA
California Prop 65: Listed

Section 16: Other Information

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Wizard Labs makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material. Wizard Labs makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.

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