1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE     N0088

PRODUCT NAME     NAT. ISOAMYL SALICYLATE

SUPPLIER         Shanghai M & U International Trade Co., Ltd.
                 Rm 1717, No 598 North NuJiang Road
                 200333 Shanghai, China
                 +86-21-32515501 32515502
                 sales@mu-intel.com

FOR EMERGENCIES CALL CHEMTREC:  800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Emergency Overview
OSHA Hazards
No known OSHA hazards.

GHS Classification
Acute toxicity, Oral (Category 5)
Acute aquatic toxicity (Category 2)

GHS Label elements, including precautionary statements
Pictogram none
Signal word Warning

Hazard statement(s)
H303 May be harmful if swallowed.
H401 Toxic to aquatic life.

Precautionary statement(s)
none

HMIS Classification
Health hazard 1
Flammability 1
Physical hazards 0

NFPA Rating
Health hazard 1
Fire 1
Reactivity Hazard 0

Potential Health Effects
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.
3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Formula C12 H16 O3
Molecular Weight 208.25 g/mol

CAS-No 87-20-7
EC-No
Index-No.
Concentration

No ingredients are hazardous according to OHSA criteria.

4. FIRST-AID GUIDE:

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING GUIDE:

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. ACCIDENTAL RELEASE GUIDE:

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
7. HANDLING AND STORAGE:

Precautions for safe handling
Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE AND PERSONAL PROTECTION:
Contains no substances with occupational exposure limit values.

Personal protective equipment:

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance
Form                    LIQUID
Color                  COLORLESS TO PALE YELLOW

Safety data
pH                     no data available
Melting point (°C)     no data available
Boiling point (°C)     279
Flash point (°F) Closed cup   >200
Vapor pressure (mmHg @20 °C) 0.03
Density @25 °C         1.050
Water solubility       INSOLUBLE
Partition coefficient:
n-octanol/water \hspace{1cm} \text{log Pow: 3.507}
Relative vapor density \hspace{1cm} \text{7.2}
Odor \hspace{1cm} \text{SWEET, FLORAL}

10. STABILITY AND REACTIVITY:

Chemical stability
Stable under recommended storage conditions.

Materials to avoid
Strong oxidizing agents, acids, Bases, Reducing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION:

Acute toxicity
Oral LD50
LD50 Oral - rat - 3,300 mg/kg
Remarks: Behavioral; Somnolence (general depressed activity).

Carcinogenicity
IARC:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Potential health effects
Inhalation \hspace{1cm} May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion \hspace{1cm} May be harmful if swallowed.
Skin \hspace{1cm} May be harmful if absorbed through skin. May cause skin irritation.
Eyes \hspace{1cm} May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: VO4375000

12. DISPOSAL RECOMMENDATIONS:
Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product.

13. TRANSPORTATION INFORMATION:

DOT (US)
Not dangerous goods.
IMDG
UN number: 3082  Class: 9  Packing group: III  EMS-No: F-A, S-F
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s
IATA
UN number: 3082  Class: 9  Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s
Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging containing inner packaging with Dangerous Goods > 5L for liquids or > 5kg for solids.

14. REGULATORY INFORMATION:

OSHA Hazards
No known OSHA hazards
SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards
No SARA Hazards
Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components
Isoamyl salicylate  CAS-No.  Revision Date
87-20-7
New Jersey Right To Know Components
Isoamyl salicylate  CAS-No.  Revision Date
87-20-7
California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

15. OTHER INFORMATION:
The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U’s control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the product’s improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the MSDS. The user should review these regulations to ensure full compliance.