



# Safety Data Sheet


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## Section 1 - Product and Company Identification

Product name : Benzoic Acid
Other names : Phenyl Carboxylic ; Phenylformic Acid ; Benzenecarboxylic Acid;Salvo Liquid ; TENN-PLAS
Product use : Use as food preservative , make -up products, dye, plastic and insect repellents.
Supplier's name : San Fu Chemical Co., Ltd.
Supplier's address : 340 Hsiao Hsin Li, Shan-Hua District, Tainan City, Taiwan, R.O.C.
Supplier's phone : 886-6-5837608                      Emergency phone : 886-6-5837608
FAX. : 886-6-5839498

## Section 2 - Hazards Identification

Classification : <ol style="list-style-type: none"><li>1. Skin Corrosion/ irritation Category 2</li><li>2. Serious eye damage/ irritation Category 1</li><li>3. Specific target organ toxicity - repeated exposure Category 1</li><li>4. Combustible Dust</li></ol>
The Most Important Hazards and effect Label element : <ul style="list-style-type: none"><li>■ Hazard symbol : Hazard Pictogram mark</li></ul> <div style="text-align: center;"></div> <ul style="list-style-type: none"><li>■ Signal word : Danger</li></ul>
Hazard statement : <ol style="list-style-type: none"><li>1. May be harmful if swallowed</li><li>2. Causes skin irritation</li><li>3. Cause severe eye damage</li><li>4. Harmful to aquatic life</li></ol>
Precautionary statement : <ol style="list-style-type: none"><li>1. Wash thoroughly after handling</li><li>2. Avoid release to the environment</li><li>3. Wear protective gloves/eye protection/face protection</li><li>4. IF ON SKIN: Wash with plenty of soap and water</li><li>5. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing</li></ol>
Others Hazard : /

## Section 3 - Composition/Information On Ingredients

Pure Substance :

Chemical name : Benzoic Acid
Synonyms : Phenyl Carboxylic;Phenylformic Acid;Benzenecarboxylic Acid;Salvo Liquid;TENN-PLAS
CAS No. : 00065-85-0



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Ingredient contributing to the hazard(%) : 99%

## Section 4 - First Aid Measures

### The First-aid Information :

■ Inhalation :

If affected remove to fresh air. If breathing is difficult give oxygen. If not breathing give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.

■ Skin Contact :

Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. If skin irritation occurs: Get medical advice/attention.

■ Eye Contact :

Immediately flush eyes with plenty of clean water for an extended time not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Get medical attention immediately.

■ Ingestion :

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Get medical attention immediately.

### The Most Important Symptoms and Hazardous Effects :

Both acute and delayed: Eye redness and pain Irritation. Preexisting sensitization skin and/or respiratory disorders or diseases may be aggravated. See section 11 for additional information. Indication of any immediate medical attention and special treatment needed if necessary: Treat symptomatically.

Protection of First-aiders : Always use proper personal protective equipment (PPE) when doing the first aid.

Notes to a Physician : --

## Section 5 - Fire Fighting Measures

Extinguishing Media : Water, chemical powder, CO<sub>2</sub>, alcoholic foam and polymerizational foam.

Specific Hazards when Fire-fight : Flammable substance. May generate the dangerous gas or vapor in the fire accident.

### Specific Fire-fighting Procedure :

1. Cool tanks or containers with water.
2. Wash the leakage outside the exposure area with water.
3. If the Benzoic Acid in the scene of the fire, use the water as the mist.
4. Stay away while applying the water.

Specific Protection of Firefighters : Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated and pressure gauge.

## Section 6 - Accidental Release Measures

Personal Precautions :



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<ol style="list-style-type: none"> <li>1. Wear proper personal protective equipments.</li> <li>2. Do no contact the leakage.</li> <li>3. Only the trained staff to discharge the cleaning and tranfering.</li> </ol>
<b>Environmental Precautions :</b> <ol style="list-style-type: none"> <li>1. Restrict access the area until completion of clean up.</li> <li>2. Do not drain into sewer or closed area.</li> <li>3. Extinguish or eliminate all the source of ignition.</li> <li>4. Keep the contaminated area well ventilated.</li> </ol>
<b>Methods for Cleaning up :</b> <ol style="list-style-type: none"> <li>1. Absorb or cover with Dry sand, soil or other non-combustible material.</li> <li>2. Small spill: Absorb with non-combustible material and place in the container with label and cover.</li> <li>3. Large spill: refer to the emergency service unit and supplier.</li> </ol>

## Section 7 - Handling and Storage

<b>Handling :</b> <ol style="list-style-type: none"> <li>1. Follow the general substance storage regulation.</li> <li>2. Isolate with the hazardous substances.</li> </ol>
<b>Storage :</b> <ol style="list-style-type: none"> <li>1. Follow the general substance storage regulation.</li> <li>2. Keep the storage container tight and closed with dry condition.</li> </ol>

## Section 8 - Exposure Controls & Personal Protection

<b>Engineering measures :</b> Install the eye washing equipments and shower equipments. Use the proper ventilation equipments and maintain the low concentration in the airborne.			
Control parameters			
TWA	STEL	Ceiling	Biological standards
--	--	--	--
<b>Personal protective equipment :</b> <ul style="list-style-type: none"> <li>■ Respiratory Protection : No specific regulation</li> <li>■ Hand Protection : Rubber material impervious gloves</li> <li>■ Eye Protection : Safety goggle, chemical protective goggles, full face shield</li> <li>■ Skin and Body Protection : Choose the proper protective clothing according to the concentration and the quantity of the hazardous in the environment. Overall protective clothing, working boots.</li> </ul>			
<b>Hygiene measures :</b> Forms the good habit, strictly no drinking or eating in the working area. Need to wash the hands after work done.			

## Section 9 - Physical & Chemical Properties

<b>Appearance :</b> solid, powder; white crystal powder	<b>Odor :</b> pleasant smell
<b>Color :</b> White	<b>Melting Point:</b> 122°C
<b>pH value :</b> 2.8(25°C saturated sol'n)	<b>Boiling point/boiling range :</b> 249°C
<b>Flammability:</b> -- (may form combustible dust-air mixtures)	<b>Flash point :</b> --



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Decomposition temp : --	Test method : closed cup
Auto ignition temp : --	Explosion properties : --
Vapor pressure : 1 mmHg -Psig	Vapor density : --
Density : 1.321 g/ cm <sup>3</sup> (20°C)	Solubility : 3.5g/L (25°C)
log Kow : /	Evaporation Rate : --

## Section 10 - Stability & Reactivity Data

Stability : Stable in the normal condition
Possible hazardous reactions under specific conditions : No reaction
Conditions to avoid : Higher than the melting point
Materials to avoid : Strong oxidizers
Hazardous decomposition products : <ol style="list-style-type: none"><li>1. Strong base: may react</li><li>2. Strong oxidizer (like THREE ALUMINA) may cause violent reaction or explosion. Increase the risk of the fire accident.</li></ol>

## Section 11 - Toxicological Information

Route of exposure : Inhalation, skin contact, ingestion, eyes.
Symptoms : <ol style="list-style-type: none"><li>1. Skin contact or ingestion cause allergy: redness, feeling of burn, itchy or asthma.</li><li>2. Cause anaphylactic shock, server coughing, chest restriction, dyspnea, cramp, prostration and death.</li></ol>
Immediate Toxicity : <ol style="list-style-type: none"><li>1. Skin : 0.25% May cause non-allergic beehive responds within 30 minutes (redness, stripe-like bulge, burning feel, itchy)</li><li>2. Inhalation : Cause nose, throat and upper respiratory tract irritation.</li><li>3. Eye : Cause severe eye irritation</li><li>4. Ingestion : Stomachache, nausea, vomit<ul style="list-style-type: none"><li>● LD<sub>50</sub>: (oral , rat) : 1700 mg/Kg</li><li>● LC<sub>50</sub>: (inhalation , rat) : 26000 mg/l/hr</li></ul></li></ol>
Specific effects : special symptoms in the animal experiences: eye irritation test(rabit): sever irritation. Skin irritation test (rabit): mild irritation.

## Section 12 - Ecological Information

Ecotoxicology : -- LC <sub>50</sub> (fish) : 44.6~47.3 mg/L/96 hour EC <sub>50</sub> (Aquatic Invertebrates) : 102-500 mg/L/24 hour ■ Bioconcentration factor (BCF) : --
Persistence and degradability : -- ■ Half-Life (Air) : --



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■ Half-Life (Water surface) : --
■ Half-Life (Groundwater) : --
■ Half-Life (Soil) : --
Bioaccumulative potential : --
Mobility in soil :
Other adverse effects : --

## Section 13 - Disposal Considerations

Methods of disposal : Dispose of unused contents (incineration or landfill) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies where appropriate.
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## Section 14 - SDS Transport Information

UN classification number : /
Proper D.O.T Shipping Name : /
Hazard Class : /
Packing Group : /
Marine pollution : --
Specific precautionary transport measures and conditions : --

## Section 15 - Regulatory Information

Regulations : Japan regulations: Japan Industrial Safety and Health Law: No subject chemicals. Japan Fire Service law: No subject chemicals. Japan Poisonous and Deleterious Substances: No subject chemicals. Japan Prevention of Marine Pollution and Disaster: No subject chemicals. Korean regulations: Korea Industrial Safety and Health Act: No subject chemicals. Korea Toxic Chemicals Classification Act: No subject chemicals. Korea Safety Control of Dangerous Substances Act: No subject chemicals. Korea Waste Management Act: Waste disposal methods must comply with local and national laws. Other regulations: No Additional Information Chemical inventories: Reaulation Australian Inventory of
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<p>Chemical Substances (AICS):          Canadian Domestic Substances List (DSL):          Canadian Non-Domestic Substances List (NDSL):          China Inventory of Existing Chemical Substances (IECSC): European Inventory of Existing Chemical Substances (EINECS):          European List of Notified Chemical Substances (ELINCS):          Japan Existing and New Chemical Substance (ENCS): Korean Existing and Evaluated Chemical Substances (KECL): New Zealand Inventory of Chemicals (NZIoC):          Philippines Inventory of Chemicals and Chemical Substances (PICCS):          Taiwan Inventory of Existing Chemicals:          U.S. Toxic Substances Control Act (TSCA):          Taiwan</p> <ol style="list-style-type: none"> <li>1. Enforcement Rules of the Labor Safety and Health Act</li> <li>2. Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials</li> <li>3. Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace</li> <li>4. Road Traffic Safety Regulations</li> <li>5. Industrial Waste Storage and Disposal Regulations and Facility Standards</li> </ol>
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## Section 16 - Other Information

Literature references	SDS database from vendor	
Prepared by	Supplier : San Fu Chemical Co., Ltd.	
	Address : 340 Hsiao Hsin Li, Shan-Hua District, Tainan City, Taiwan, R.O.C.	
	Supplier's phone : 886-6-5837608	FAX. : 886-6-5839498
	Name : Shao Chen Hsu	
Issue date	Nov-10 <sup>th</sup> 2023	Revision : 8
Re-revision date	Nov-09 <sup>th</sup> 2026	
Remarks	Symbols Explanations: "--" No information is available at this time. "/" Not applicable to this substance.	
<p>■ This information above has consulted national or international papers and manufacturer or supplier's provided information. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make their own determination of the suitability of the information for their particular purposes.</p>		