

SAFETY DATA SHEET

Sarnacol -808TH



Version 1.0

MSDS Number: 000000415747

Revision Date: 2015/03/30

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sarnacol -808TH
Product code : 000000415747
Type of product : Liquid.

Recommended use of the chemical and restrictions on use

Product use : Adhesive .

Manufacturer or supplier's details

Company : Sika (Thailand) Limited
700/37 Moo 5 Bangpakong
Industrial Park II Km.57 Bangna-Trad Rd.
Tambol KlongTamhru
Maung District, Cholburi 2000,
Thailand
Telephone : +66 3810 9500
Telefax : +66 3821 4286
E-mail address : Sikathai@th.sika.com

2. HAZARDOUS IDENTIFICATION

GHS Classification

Flammable liquid : Category 2
Skin corrosion/irritation : Category 2
Reproductive toxicity : Category 2
Specific target organ toxicity : Category 3 (Central nervous system)
-Single exposure
Aspiration hazard : Category 1
Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

GHS Label element

Hazard pictograms : The hazard pictograms are four red diamonds with black borders. From left to right: 1. A black exclamation mark. 2. A black silhouette of a person with a star on their chest. 3. A black silhouette of a tree and a fish. 4. A black flame.

Signal word : Danger.

Hazard statement : H225 Highly flammable liquid and vapour.
: H304 May be fatal if swallowed and enters airways.
: H315 Causes skin irritation.
: H336 May causes drowsiness or dizziness.

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- : H361 Suspected of damaging fertility or the unborn child.
 - : H373 May cause damage to organs through prolonged repeated Exposure if inhaled.
 - : H410 Very toxic to aquatic life with long lasting effects.
- Precautionary statement
- : **Prevention:**
 - : P201 Obtain special instructions before use.
 - : P202 Do not handle until all safety precautions have been read and understood.
 - : P210 Keep away from heat/sparks/open flames/hot surfaces.
—No smoking.
 - : P233 Keep container tightly closed.
 - : P240 Ground/bond container and receiving equipment.
 - : P241 Use explosion-proof electrical/ventilating/lighting/Equipment.
 - : P242 Use only non-sparking tools.
 - : P243 Take precautionary measures against static discharge.
 - : P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 - : P264 Wash ... thoroughly after handling.
 - : P271 Use only outdoors or in a well-ventilated area.
 - : P273 Avoid release to the environment.
 - : P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - : P281 Use personal protective equipment as required.
 - : **Response:**
 - : P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - : P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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- : P304 + P341 + P312– IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- : P308 + P313 If exposed or concerned: Get medical advice/attention.
- : P331 Do NOT induce vomiting.
- : P332 + P313 If skin irritation occurs: Get medical advice/attention.
- : P362 Take off contaminated clothing and wash before reuse.
- : P370 + P378 In case of fire: Use Water, carbon dioxide, regular dry chemical, foam for extinction.
- : P391 Collect spillage.
- : **Storage:**
- : P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- : P403 + P235 Store in a well-ventilated place. Keep cool.
- : P405 Store locked up.
- : **Disposal:**
- : P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

COMPONENT	CAS NUMBER	CONTENT (%)
CHLOROPRENE RUBBER	-	20 – 25
ACETONE	67-64-1	2 - 5
CYCLOHEXANE	110-82-7	40 - 45
TOLUENE	108-88-3	25 - 30
ANTI OXIDANT	-	< 1

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4. FIRST AID MEASURES

- General advice : No hazards
- If inhaled : Remove from exposure immediately if feel difficulty in breathing due to vapor evaporated. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.
- In case of skin contact : Wipe off mechanically and remove contaminated clothing, jewelry, and shoes immediately. Wash with soap and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.
- In case of eye contact : Wash eyes immediately with large amounts of water or normal saline until no evidence of chemical remains. Get medical attention immediately
- If swallowed : Contact local poison control center or physician and get medical attention immediately. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side.
- Most important symptoms and effects, both acute and delayed : No known significant effects or hazards. See Section 11 for more detailed information on health effects and symptoms.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water, carbon dioxide, regular dry chemical, foam, etc.
- Hazardous combustion products : May produce noxious fumes.
- Specific extinguishing methods : Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Cool containers with water spray until well after the fire is out.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus. For firefighters

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6. ACCIDENTAL MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable PPE(Personal Protective Equipment) to protect eyes, skin and respiratory tract. Avoid heat, flames, sparks and other sources of ignition. Remove sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray.

Small spills:
: Absorb with sand or other non-combustible material. Collect Spilled for material in appropriate container for disposal.

Large spills: Dike later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas

7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not get in eye, on skin, or on clothing.
Store and handle in accordance with all current regulations and Standards.
Grounding and bonding required.
Avoid contact with incompatible material such as combustible materials, peroxides, metals, metal salts, acids, oxidizing agents, amines, bases, halo carbons, halogens, reducing agents.
Wear suitable PPE(Personal Protective Equipment) to protect eyes, skin and respiratory tract.

Conditions for safe storage : Keep containers in a cool, dry and well-ventilated area.
Keep containers tightly sealed and open pressurized containers carefully to release pressure.
Store away from direct sunlight.
Avoid heat above 50°C and avoid temperatures below 0°C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Components with workplace control parameters

Employers should explore all possible engineering and work practice controls to eliminate hazards and use PPE (Personal Protective Equipment) to provide additional protection against hazards that cannot be completely eliminated through other means.

Personal protective equipment

Respiratory protection : If exposure may or does exceed occupational exposure limits even under local exhaust ventilation system, wear appropriate respirators.

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Hand protection	:	Wear appropriate chemical resistant gloves. In the event of contamination, change gloves immediately.
Eye protection	:	Wear appropriate safety glasses with side shields. Provide an emergency eye wash fountain in the immediate work area.
Skin and body protection	:	Wear appropriate chemical resistant clothing.
Hygiene measures	:	Wash before eating, drinking, smoking, or using toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Light yellow viscous liquid
Colour	:	Light yellow
Odour	:	sweet odor
Odour Threshold	:	No data available
pH	:	No data available
Melting point/range/	:	No data available
Freezing point	:	Not applicable
Flash point	:	-20°C
Evaporation rate	:	No data available
Flammable (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	No data available
Solubility(ies)		
Water solubility	:	Slightly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-otanol/water	:	No data available
Initial Boiling Point	:	Approx. 176F (80°C)

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Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	3,700 – 4,300 (CPS/30±1°C)
Viscosity, kinematic	:	No data available
Molecular weight	:	No data available
Volatile organic compound (VOC) content	:	No data available

10. STABILITY AND REACTIVITY

Reactivity	:	Stable at normal temperatures and pressure
Chemical stability	:	The product is chemical stable.
Possible of hazardous reaction:	:	Not available.
Condition to avoid	:	Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode owing to heat and increase of pressure. See "Section 7. HANDLING AND STORAGE"
Incompatible material	:	Avoid contact with incompatible material such as combustible materials, peroxides, metals, metal salts, acids, oxidizing agents, amines, bases, halo carbons, halogens, reducing agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ACETONE

Acute oral toxicity	:	5800 mg/kg oral-rat LD50
Acute inhalation toxicity	:	50100 mg/m ³ /8 hour(s) inhalation-ratLC50

CYCLOHEXANE

Acute oral toxicity	:	12705 mg/kg Oral-rat LD50
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TOLUENE

Acute oral toxicity	:	636 mg/kg oral-rat LD50
Acute inhalation toxicity	:	49 mg/m ³ /4 hour(s) inhalation-ratLC50

Skin corrosion/irritation

Product:

Remark: Repeated contact may cause dry skin, irritation and rash.

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Serious eye damage/eye irritation

Product:

Remark: No data available

Respiratory or skin sensitisation

Product:

Remark: No data available

Germ cell mutagenicity

Product:

Germ cell mutagenicity-
Assessment : No data available.

Carcinogenicity

Product:

Carcinogenicity
Assessment : No data available.

Reproductive toxicity

Product:

Reproductive toxicity
Assessment : No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

ACETONE

Fish toxicity : 4 ug/L 96 hour(s) LC50 (Mortality) Harlequinfish, red rasbora
Invertebrate toxicity : 35 ug/L 48 hour(s) EC50 (Immobilization) Water flea
Algal toxicity : <14 ug/L 11-14 hour(s) MATC (Growth) Red algae .
Environmental summary : Highly toxic to aquatic life.

CYCLOHEXANE

Fish toxicity : 4530 ug/L 96 hour(s) LC50 (Mortality) Fathead minnow
Invertebrate toxicity : 5091000 ug/L 48 hour(s) EC50 (Immobilization) Water flea
Algal toxicity : >500000 ug/L 96 hour(s) EC50 (Photosynthesis) Diatom
Environmental summary : Harmful to aquatic life.

Toluene

Fish toxicity : 8110 ug/L 96 hour(s) LC50 (Mortality) Coho salmon, silver salmon
Invertebrate toxicity : 1420000 ug/L 96 hour(s) LC50 (Mortality) Marine bivalve
Algal toxicity : >160000 ug/L 48 hour(s) (Population Growth) Cryptomonad

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Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available.

Other adverse effect Product:

Additional ecological information : There is no data available for this product.

13.DISPOSAL CONSIDERATION

Disposal methods

Contaminated packaging : Empty containers may contain product residue. Follow MSDS and label warnings even after they have been emptied.

Waste Disposal Method : Dispose in accordance with all applicable regulations.
Liquid halide should be treated with one of the methods mentioned below.

1. Must be incinerated at high temperature.
2. Must be vaporized or concentrated first then the remnants incinerated at high temperature.
3. Must be purified by separation, vaporization, extraction and/or filtration then the remnants incinerated at high temperature.

Must be treated with neutralization, oxidation, polymerization and/or condensation first then the remnants should be retreated with cohesion, precipitation, filtration, dehydration and/or dried at high temperature then the final remnant incinerated at high temperature.

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14. TRANSPORT INFORMATION

International Regulation

ADR

Not dangerous goods

UNRTDG

UN number : UN1133
Proper shipping name : ADHESIVES
Class : 3
Packing group : II
Labels : 3 (Flammable Liquid)

IATA-DGR

UN number : UN1133
Proper shipping name : ADHESIVES
Class : 3
Packing group : II
Labels : 3 (Flammable Liquid)

IMDG-Code

UN number : UN1133
Proper shipping name : ADHESIVES
Class : 3
Packing group : II
Labels : 3 (Flammable Liquid)

15. REGULATORY INFORMATION

Safety, health and environmental regulation/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) : Not applicable.
Schedules of Toxic Chemicals and Precursors
Hazardous Substance Act B.E. 2535 : Not listed.
Emergency Decree on Controlling the Use of Volatile Substance B.E. 2533 : Not applicable.

16. OTHER INFORMATION

Date format : yyyy/mm/dd
NFPA RATINGS : Health = 2, Fire = 3, Instability = 0

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.