

Safety Data Sheet acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

1 Identification

- **Product identifier**
 - **Trade name:** Tacusil S20019
 - **Recommended use** Mold release agent
 - **Restrictions on use** For industrial use only
- **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
ResinLab Asia
Number 339, Petrochemical Avenue, Petrochemical Zone, Daya Bay,
Huizhou City, Guangdong, China, 516211
(86 752) 5533798
 - **Information Department:** Product Safety Department: msds@resinlab.com
 - **Emergency Telephone Number:**
North America - Chemtrec: 1-800-424-9300 (24 hours)
International - Chemtrec: 01-703-527-3887 (24 hours)

2 Hazard(s) identification

- **Classification of the substance or mixture**
 - Flam. Liq. 2 H225 Highly flammable liquid and vapor.
 - Skin Irrit. 2 H315 Causes skin irritation.
 - STOT SE 3 H336 May cause drowsiness or dizziness.
 - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
 - Aquatic Acute 2 H401 Toxic to aquatic life.
 - Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- **Label elements**
 - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
 - **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Alkanes, C7-10-iso-Naphtha (petroleum), light alkylate
- **Hazard statements**
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
 - **NFPA System**
 - **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 3
Reactivity = 0

NFPA special hazards (water reactivity and oxidizing property): None

(Contd. on page 2)

Safety Data Sheet acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

Trade name: Tacusil S20019

(Contd. of page 1)

HMIS System
HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	3
REACTIVITY	0

 Health = 1
 Fire = 3
 Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures
Dangerous components:

CAS: 90622-56-3	Alkanes, C7-10-iso-	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336 Aquatic Acute 2, H401	60-70%
CAS: 64741-66-8 EINECS: 265-068-8 Index number: 649-276-00-X	Naphtha (petroleum), light alkylate	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	30-40%

Additional information:

If the chemical name/CAS number is proprietary and or weight percentage is listed as a range, the specific chemical identity and or percentage of composition has been withheld as a trade secret.

4 First-aid measures

Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Remove victim from exposure to fresh air. Keep person at rest. Provide oxygen if person is not breathing. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly. If skin rash or irritation occurs, seek medical advice. Remove all contaminated clothing and wash before reuse.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses if present and easy to do so; continue rinsing.
- **After swallowing:** If victim is unconscious; never give anything by mouth.
- **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
 - **Indication of any immediate medical attention and special treatment needed**
Check section 11 Toxicological Information for further relevant information.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:

 CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture Carbon dioxide (CO₂) and Carbon monoxide (CO)

Advice for firefighters
Protective equipment:

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA fire brigades standard (29 CFR 1910.156).

As with any fire, wear positive-pressure self-contained breathing apparatus and full protective gear that are NIOSH approved.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during use.

Environmental precautions:

Do not allow product to reach sewage system or any water course.

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:

For large spills: provide diking or containment to minimize spreading. If possible pump and store material in appropriate container.

For small spills: Ventilate and wash area. Collect spills and absorbant material in appropriate container.

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

Safety Data Sheet acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

Trade name: Tacusil S20019

Dispose contaminated material as waste according to item 13.

(Contd. of page 2)

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Keep away from incompatible material(s).
 - Avoid any release into the environment.
 - Do not breathe dust/fumes/mist/vapor/spray.
 - Avoid contact with eyes, skin and clothing.
 - Keep away from heat, sparks, flames and ignition sources.
 - Observe all the personal protection requirements in Section 8.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Keep stored in accordance with local, regional, national, and international regulations.

8 Exposure controls/personal protection

- **Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional Occupational Exposure Limit Values for possible hazards during processing:** None.
- **Exposure controls**
 - If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
 - **Personal protective equipment:**
 - **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - **Personal Protective Equipment (PPE)**
 - **Breathing equipment:**
 - Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.
 - Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.
 - **Protection of hands:**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **Material of gloves**



Chemical resistant gloves

- **Eye protection:**



Safety Glasses with side shields

- **Body protection:** Appropriate chemical resistant clothing.
- **Limitation and supervision of exposure into the environment**
 - The Engineering measures or controls, and PPE recommendations are only guidelines and may not apply to every situation. For additional information, please consult the corresponding requirements under OSHA 29 CFR 1910.94-95, and 29 CFR 1910.132-138.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
 - **General Information**
 - **Appearance:**
 - **Form:** Liquid
 - **Color:** Colorless
 - **Odor:** Mild
 - **Odor threshold:** Not determined.
 - **pH-value:**
 - Not determined.
 - Not determined.

(Contd. on page 4)

Safety Data Sheet acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

Trade name: Tacusil S20019

(Contd. of page 3)

Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	>112 °C (>233.6 °F)
· Flash point:	7 °C (44.6 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapor pressure:	Not determined.
· Vapor Density:	not determined
· Density at 20 °C (68 °F):	0.72 g/cm ³ (6.01 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· Dynamic:	Not available. Not determined.
· Kinematic:	Not available.
· VOC content:	33.00 % 237.6 g/l / 1.98 lb/gal

10 Stability and reactivity

- **Reactivity** No further relevant information available.
 - **Hazardous Reactivity and Chemical Stability** May form explosive vapor-air mixtures when heated above the flash point.
 - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
In contact with incompatible materials.
No dangerous reactions known.
- **Conditions to avoid**
Keep away from heat, sparks, flame and any other ignition sources.
The substance/mixture is highly flammable.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Refer to section 5.

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64741-66-8 Naphtha (petroleum), light alkylate

Oral	LD50	>7,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,000 mg/l (rat)

· **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

US

(Contd. on page 5)

Safety Data Sheet acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

Trade name: Tacusil S20019

(Contd. of page 4)






12 Ecological information

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential**
No data available.
No further relevant information available.
 - **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
 - **Remark:** Toxic for fish
- **Additional ecological information:** The product is non-rapid degradable, and low or not highly bioaccumulative.
 - **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
 - **PBT:** None of the ingredients is listed.
 - **vPvB:** None of the ingredients is listed.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Dispose of according to your local waste regulations.

14 Transport information

· UN-Number · DOT, IMDG, IATA	UN1866
· UN proper shipping name · DOT · IMDG · IATA	Resin solution RESIN SOLUTION (Alkanes, C7-10-iso-, Naphtha (petroleum), light alkylate), MARINE POLLUTANT RESIN SOLUTION
· Transport hazard class(es) · DOT	
 	
· Class · Label	3 Flammable liquids 3
· IMDG	
 	
· Class · Label	3 Flammable liquids 3
· IATA	
	
· Class · Label	3 Flammable liquids 3
· Packing group · DOT, IMDG, IATA	II
· Environmental hazards:	Product contains environmentally hazardous substances: Alkanes, C7-10-iso-
· Special precautions for user · Danger code (Kemler): · EMS Number:	Warning: Flammable liquids 33 F-E,S-E

(Contd. on page 6)

Safety Data Sheet acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

Trade name: Tacusil S20019

(Contd. of page 5)

Stowage Category	B
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· Remarks:	Special marking with the symbol (fish and tree).
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	
· SARA Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
· SARA Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	
· Section 311/312 (Hazardous Chemical Inventory reporting)	
· SARA Section 311/312 (Hazardous Chemical Inventory Reporting)	
None of the ingredients is listed.	
· Hazard Abbreviations for SARA 311/312	
A - Acute Health Hazard	
C - Chronic Health Hazard	
F - Fire Hazard	
R - Reactive Hazard	
S - Sudden Release of Pressure Hazard	
· TSCA 8 (b) Inventory:	
64741-66-8 Naphtha (petroleum), light alkylate	ACTIVE
· Hazardous Air Pollutants	
None of the ingredients is listed.	
· Proposition 65	
· Chemicals known to cause cancer:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
· Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
· New Jersey Right-to-Know List:	
None of the ingredients is listed.	
· New Jersey Special Hazardous Substance List:	
None of the ingredients is listed.	
· Pennsylvania Right-to-Know List:	
None of the ingredients is listed.	
· Pennsylvania Special Hazardous Substance List:	
None of the ingredients is listed.	
· Carcinogenic categories	
· EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
· TLV (Threshold Limit Value established by ACGIH)	
None of the ingredients is listed.	
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
· International Regulation Lists	
· REACH - Substances of Very High Concern (SVHC) List:	
None of the ingredients is listed.	
· Restriction of Hazardous Substances Directive (RoHS) list:	
None of the ingredients is listed.	

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/25/2019

Reviewed on 07/25/2019

Trade name: Tacusil S20019

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. of page 6)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department Issuing (M)SDS:** Product Development Department
- **Contact:** msds@resinlab.com
- **Date of preparation / last revision** 07/25/2019 / -
- *** Data compared to the previous version altered.**

US