

**Safety Data Sheet according to Regulation
(EC) 'No. 2020/878**



SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

| | | | |
|--|---|-------------------------|------------|
| 1.1 Product Identifier | 4900A7042S | Revision Date: | 09/07/2024 |
| Product Name: | THERMALINE 4900 | Supersedes Date: | 06/10/2020 |
| UFI Code: | No Information | | |
| Contain nanoform: | No | | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | Monocomponent industrial coating - Industrial use. Advised against: others than recommended | | |
| 1.3 Details of the supplier of the safety data sheet | | | |
| Importer: | None | | |
| Manufacturer: | StonCor Middle East L.L.C. Plot # B518, Al Quoz Industrial Area 3 P.O. Box: 3034 Dubai, U.A.E. | | |
| | Regulatory / Technical Information: +971 4 347 0460 +971 4 347 0242 (fax) | | |
| Datasheet Produced by: | Rivero, Melody - ehs@stoncor.com | | |
| 1.4 Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) 112 (24/7) Croatia +3851 2348 342 (24/7 in Croatian and English) Iceland 112 (24/7) Malta 112 (24/7) | | |

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

| | |
|--|------|
| Flammable Liquid, category 3 | H226 |
| Skin Irritation, category 2 | H315 |
| Acute Toxicity, Inhalation, category 4 | H332 |
| STOT, single exposure, category 3, NE | H336 |
| Carcinogenicity, category 2 | H351 |
| Reproductive Toxicity, category 2 | H361 |
| STOT, repeated exposure, category 2 | H373 |

2.2 Label elements**Symbol(s) of Product****Signal Word**

Warning

Named Chemicals on Label

Ethylbenzene, Toluene, Xylene, silicon dioxide (amorphous), titanium dioxide

HAZARD STATEMENTS

| | | |
|--|------|--|
| Flammable Liquid, category 3 | H226 | Flammable liquid and vapour. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness. |
| Carcinogenicity, category 2 | H351 | Suspected of causing cancer. |
| Reproductive Toxicity, category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |

PRECAUTION PHRASES

| | |
|----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P284 | Wear respiratory protection. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P308+313 | IF exposed or concerned: Get medical advice/attention. |
| P314 | Get medical advice/attention if you feel unwell. |
| P332+313 | If skin irritation occurs: Get medical advice/attention. |
| P403+233 | Store in a well-ventilated place. Keep container tightly closed. |

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

| | | | | |
|---|---------------------|---|---|--|
| <p>Toluene 203-625-9 108-88-3 No Information</p> | <p>10 - <25</p> | <p>H225-304-315-336-361-373 Asp. Tox. 1, Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT RE 2, STOT SE 3 NE</p> | <p>SCL Value: - ATE Value: - M-Factor: (acute) - M-Factor: (chronic) -</p> | |
| <p>titanium dioxide 236-675-5 13463-67-7 No Information</p> | <p>2.5 - <10</p> | <p>H351 Carc. 2</p> | <p>SCL Value: - ATE Value: - M-Factor: (acute) - M-Factor: (chronic) -</p> | |
| <p>Ethylbenzene 202-849-4 100-41-4 No Information</p> | <p>2.5 - <10</p> | <p>H225-304-315-319-332-373 Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 2, Skin Irrit. 2, STOT RE 2</p> | <p>SCL Value: - ATE Value: - M-Factor: (acute) - M-Factor: (chronic) -</p> | |

| | | | | |
|---|------------|-----------------------|--------------------------------|---|
| dicyclohexyl phthalate 201-545-9 84-61-7 No Information | 2.5 - <10 | | SCL Value: | - |
| | | | ATE Value: | - |
| | | | M-Factor: (acute) | - |
| | | | M-Factor: (chronic) | - |
| silicon dioxide (amorphous) 231-545-4 7631-86-9 No Information | 1.0 - <2.5 | H372 STOT RE 1 | SCL Value: | - |
| | | | ATE Value: | - |
| | | | M-Factor: (acute) | - |
| | | | M-Factor: (chronic) | - |
| alumina trihydrate 21645-51-2 No Information | 1.0 - <2.5 | | SCL Value: | - |
| | | | ATE Value: | - |
| | | | M-Factor: (acute) | - |
| | | | M-Factor: (chronic) | - |

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

No Information

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention is required. No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

Flash back possible over considerable distance. In the event of fire, wear self-contained breathing apparatus. Water spray Dry powder Alcohol-resistant foam Carbon dioxide (CO₂). Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.1.2 For emergency responders

See Section 7, 8 and 10 for further information.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour

concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically; always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat.

STORAGE CONDITIONS: Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (EU)

| <u>Name</u> | <u>CAS-No.</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> |
|-----------------------------|----------------|-----------------|-----------------|-------------------|-------------------|
| Xylene | 1330-20-7 | 50 | 100 | 442 | 221 |
| Toluene | 108-88-3 | 50 | 100 | 384 | 192 |
| titanium dioxide | 13463-67-7 | | | | |
| Ethylbenzene | 100-41-4 | 100 | 200 | 884 | 442 |
| dicyclohexyl phthalate | 84-61-7 | | | | |
| silicon dioxide (amorphous) | 7631-86-9 | | | | |
| alumina trihydrate | 21645-51-2 | | | | |

| <u>Name</u> | <u>CAS-No.</u> | <u>OEL Note</u> |
|-----------------------------|----------------|-----------------|
| Xylene | 1330-20-7 | SK |
| Toluene | 108-88-3 | |
| titanium dioxide | 13463-67-7 | |
| Ethylbenzene | 100-41-4 | SKIN |
| dicyclohexyl phthalate | 84-61-7 | |
| silicon dioxide (amorphous) | 7631-86-9 | |
| alumina trihydrate | 21645-51-2 | |

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

Chemical Name:**EC No.:****CAS-No.:****DNELs - Derived no effect level**

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | | | | | | | | |
| Dermal | | | | | | | | |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|------------------------------------|------|
| Fresh water | |
| Fresh water sediments | |
| Marine water | |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | |
| Air | |

8.2 Exposure controls**Personal Protection****RESPIRATORY PROTECTION:** Respirator with a vapor filter.**EYE PROTECTION:** Tightly fitting safety goggles.**HAND PROTECTION:** Rubber or plastic gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Rubber or plastic apron.**OTHER PROTECTIVE EQUIPMENT:** No Information**ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

| | |
|--|---------------------------------|
| Colour: | Viscous Liquid, Various Colours |
| Physical State | Liquid |
| Odor | Solvent |
| Odor threshold | Not determined |
| pH | Not determined |
| Melting point / freezing point (°C) | Not determined |
| Boiling point or initial boiling point and boiling range (°C) | 65 - 140 |
| Flash Point, (°C) | 25 |
| Evaporation rate | Slower Than Ether |
| Flammability (solid, gas) | Not determined |
| Lower and upper explosive limit | 0.9 - 7.1 |

| | |
|---|---------------------------|
| Vapour Pressure | Not determined |
| Relative vapour density | Heavier Than Air |
| Density and/or relative density | Not determined |
| Solubility in / Miscibility with water | Not determined |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | Not determined |
| Decomposition temperature (°C) | Not determined |
| Kinematic viscosity | Unknown |
| Particle characteristics | Not applicable to liquids |

9.2 Other information

| | |
|--|-------|
| VOC Content g/l: | 528 |
| Specific Gravity (g/cm³) | 1.120 |

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under recommended storage conditions. Risk of ignition.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Direct sources of heat.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute Toxicity:**

| | |
|-------------------------|---------------------------|
| Oral LD50: | No information available. |
| Inhalation LC50: | No information available. |
| Dermal LD50: | No Information |

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

| | |
|-----------------------------------|---------------------------|
| Carcinogenicity: | No information available. |
| Mutagenicity: | No information available. |
| Toxicity for reproduction: | No information available. |
| STOT-single exposure: | No information available. |
| STOT-repeated exposure: | No information available. |
| Aspiration hazard: | No information available. |

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|------------------------------|--|---------------------|---------------------------------|-----------------|-----------------------|
| 1330-20-7 | Xylene | 3523 mg/kg, rat, oral | 12126 mg/kg, rabbit | 5000 ppm/4 hrs rat, inhalation | 0.000 | 0.000 |
| 108-88-3 | Toluene | 5000 mg/kg rat oral, 14000 mg/kg rabbit dermal | | 8000 ppm/4 hrs, rat, inhalation | 0.000 | 0.000 |
| 13463-67-7 | titanium dioxide | 10000 mg/m3, oral (rat) | | | 0.000 | 0.000 |
| 100-41-4 | Ethylbenzene | 3500 mg/kg rat, oral | 5510 mg/kg, rabbit | 4000 ppm, rat, 4h | 0.000 | 0.000 |
| 7631-86-9 | silicon dioxide (amorphous) | 3,160 mg/kg, rat | | | 0.000 | 0.000 |

Additional Information:

No Information

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

| Name According to EEC | CAS-No. |
|------------------------------|----------------|
| No Information | |

SECTION 12: Ecological Information

12.1 Toxicity:

| | |
|-----------------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae): | No information |
| LC50 96hr (fish): | No information |

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

12.6 Endocrine disrupting properties**Endocrine disrupting properties - Ecotoxicity****Name According to EEC****CAS-No.**

No Information

12.7 Other adverse effects:

No information

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|------------------------------|---|------------------|--------------------|
| 1330-20-7 | Xylene | 3.82 mg/l | No information | 24-30 mg/l, minnow |
| 108-88-3 | Toluene | No information | No information | |
| 13463-67-7 | titanium dioxide | >100 mg/l (EC50, 48h, Daphnia magna OECD202)ation | No information | >1000 mg/l |
| 100-41-4 | Ethylbenzene | 1.37 mg/l | No information | 32 mg/l (Bluegill) |
| 84-61-7 | dicyclohexyl phthalate | No information | No information | |
| 7631-86-9 | silicon dioxide (amorphous) | No information | No information | |
| 21645-51-2 | alumina trihydrate | No information | No information | |

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 080111

Packaging Waste Code: 150110

SECTION 14: Transport Information

| | ADR/RID | ADN | IMDG | IATA |
|--|----------------|----------------|----------------|----------------|
| 14.1 UN-number or ID number | UN 1263 | UN 1263 | UN 1263 | UN 1263 |
| 14.2 UN proper shipping name | Paint | Paint | Paint | Paint |
| 14.3 Transport Hazard Class(es) | 3 | 3 | 3 | 3 |
| 14.4 Packing Group | III | III | III | III |
| 14.5 Enviromental Hazards | No Information | No Information | No Information | No Information |

- 14.6 Special precautions for user** Unknown
EmS-No.: F-E, S-E
- 14.7 Maritime transport in bulk according to IMO intruments** Unknown

SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation for the substance or mixture:****National Regulations:**

- Denmark Product Registration Number:** Not available
- Danish MAL Code:** Not available
- Danish MAL Code - Mixture:** Not available
- Sweden Product Registration Number:** Not available
- Norway Product Registration Number:** Not available
- Germany WGK Class:** Not available

Covered by Directive 2012/18/EC (Seveso III): Not applicable

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: Not applicable

Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:

CAS-No. **Name According to EEC**

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):

CAS-No. **Name According to EEC**

84-61-7 dicyclohexyl phthalate

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Reasons for revision

Composition Information Changed
 Substance and/or Product Properties Changed in Section(s):
 01 - Identification
 02 - Hazard Identification
 03 - Composition/Information On Ingredients
 08 - Exposure Controls/Personal Protection
 09 - Physical and Chemical Properties
 11 - Toxicological Information
 14 - Transportation Information
 15 - Regulatory Information
 Revision Statement(s) Changed

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

| | |
|--------|--|
| CLP | Classification, Labeling & Packaging Regulation |
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m3 | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |

IMDG International Maritime Dangerous Goods Code
IATA International Air Transport Association
MARPOL International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC International Bulk Container
RTI Respiratory Tract Irritation
NE Narcotic Effects
IMO International Maritime Organization
Note P: The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene
Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.