STAPA SILTALLUX 8770 Aluminium Pigment Paste

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	STAPA SILTALLUX 8770 Aluminium Pigment Paste
Product code	:	023603G70
Chemical nature	:	Aluminium pigment paste

Manufacturer or supplier's details

Company	:	爱卡特殊效果颜料（珠海）有限公司	Eckart GmbH
Address	:	珠海市金湾区南水镇浪屿路 3 号	Guentersthal 4 91235 Hartenstein Germany
Telephone	:	+8607567228600	+499152770
Emergency telephone number	:	National Emergency Response Hotline for Chemical Incident (China):0532-83889090 国家化学事故应急咨询电话（中国）: 0532-83889090	NCEC:(contract no. ECKART29003-NCEC): 400 120 6011 (China, toll free) +886 2 8793 3212 (Taiwan, call and answer in English or Mandarin)
E-mail address	:	msds.eckart.asia@altana.com	msds.eckart@altana.com

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	:	Pasty solid
Colour	:	silver
Odour	:	characteristic

Harmful to aquatic life with long lasting effects.

GHS Classification

Long-term (chronic) aquatic hazard	:	Category 3

GHS label elements

Hazard pictograms	:	None
Signal word	:	None
Hazard statements	:	H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P273 Avoid release to the environment.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Harmful to aquatic life with long lasting effects.

Other hazards which do not result in classification

Combustible Solids

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Substance name :

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Aluminium powder	7429-90-5	>= 50 -< 70
Naphtha, petroleum, hydrotreated heavy	64742-48-9	>= 10 -< 20
Solvent naphtha, petroleum, light arom.	64742-95-6	>= 2.5 -< 10

4. FIRST AID MEASURES

General advice : Move the victim to fresh air.
Do not leave the victim unattended.
No hazards which require special first aid measures.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses.

If eye irritation persists, consult a specialist.

If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	None known.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Dry sand Special powder against metal fire
Unsuitable extinguishing media	:	Water Foam ABC powder Carbon dioxide (CO2)
Specific hazards during fire-fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Specific extinguishing methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Use personal protective equipment. Remove all sources of ignition. Avoid dust formation.
Environmental precautions	:	Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	:	Use mechanical handling equipment.

containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Advice on protection against fire and explosion	:	Keep away from open flames, hot surfaces and sources of ignition. Earthing of containers and apparatuses is essential. Normal measures for preventive fire protection.
Advice on safe handling	:	Keep away from heat and sources of ignition. Avoid dust formation. Ensure adequate ventilation. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Avoidance of contact	:	Acids Bases Oxidizing agents Highly halogenated compounds

Storage

Conditions for safe storage	:	Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Keep away from sources of ignition - No smoking. Electrical installations / working materials must comply with the technological safety standards.
Technical measures/Precautions	:	Protect from humidity and water. Do not allow to dry.
Materials to avoid	:	Do not store together with oxidizing and self-igniting products. Never allow product to get in contact with water during storage. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Further information on stora-	:	No decomposition if stored and applied as directed.

ge stability

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Aluminium powder	7429-90-5	PC-TWA (Total dust)	3 mg/m3 (Aluminium)	GBZ 2.1-2007
Aluminium powder	7429-90-5	PC-TWA (Total dust)	3 mg/m3 (Aluminium)	GBZ 2.1-2007

Personal protective equipment

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

Eye/face protection : Safety glasses

Skin and body protection : Long sleeved clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection

Material : Solvent-resistant gloves

Remarks : 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). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Hygiene measures : General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Pasty solid

Propellant	:	No data available
Colour	:	silver
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Flammability (liquids)	:	No data available
Burning rate	:	No data available
Auto-flammability	:	not auto-flammable
Burning number	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Bulk density	:	No data available
Solubility(ies)	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Self-Accelerating decomposition temperature (SADT)	:	No data available
Temperature of Polymerisation (SAPT)	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Solvent separation	:	No data available
Explosive properties	:	Not explosive Vapours may form explosive mixture with air. Not explosive
Oxidizing properties	:	No data available
Self-heating substances	:	No data available
Heat of combustion	:	No data available
Impact sensitivity	:	No data available
Surface tension	:	No data available
Conductivity	:	No data available
Sublimation point	:	No data available
Molecular weight	:	No data available
Minimum explosible dust concentration	:	No data available
Dust deflagration index (Kst)	:	No data available
Dust explosion class	:	No data available
Radioactivity	:	No data available

Volatile organic compounds (VOC) content	:	No data available
Volatile organic compounds (VOC) content	:	No data available
Particle size	:	No data available
Particle Size Distribution	:	No data available

10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Reacts with alkalis, acids, halogenes and oxidizing agents. Contact with acids and alkalis may release hydrogen. Mixture reacts slowly with water resulting in evolution of hydrogen. Vapour/air-mixtures are explosive at intense warming. Stable under recommended storage conditions.
Conditions to avoid	:	Do not allow to dry. No data available
Incompatible materials	:	AcidsBasesOxidizing agentsHighly halogenated compounds

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Components:
Naphtha, petroleum, hydrotreated heavy**:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): Test atmosphere: vapour Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg

Solvent naphtha, petroleum, light arom.**:**

Acute oral toxicity	:	LD50 (Rat): 3,492 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): > 3,160 mg/kg

STOT - single exposure
Components:
Solvent naphtha, petroleum, light arom.**:**
Assessment: May cause respiratory irritation., May cause drowsiness or dizziness.

Aspiration toxicity
Components:
Solvent naphtha, petroleum, light arom.**:**
May be fatal if swallowed and enters airways.

Further information
Product:
Remarks: No data available

Components:
Naphtha, petroleum, hydrotreated heavy**:**
Remarks: Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Solvent naphtha, petroleum, light arom.:

Ecotoxicology Assessment

Chronic aquatic toxicity	:	Toxic to aquatic life with long lasting effects.

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

Components:

Naphtha, petroleum, hydrotreated heavy:

Additional ecological information	:	No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. In accordance with local and national regulations.
Contaminated packaging	:	In accordance with local and national regulations.

14. TRANSPORT INFORMATION

International Regulations

Remarks : Not classified as dangerous in the meaning of transport regulations.

ADR : Not classified as dangerous in the meaning of transport regulations.

IATA-DGR : Not classified as dangerous in the meaning of transport regulations.

IMDG-Code : Not classified as dangerous in the meaning of transport regulations.

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

Remarks : Not classified as dangerous good under GB 6944/12268

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases: Applicable

Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : Listed

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized Sys-

tem; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Date format	:	yyyy/mm/dd
GBZ 2.1-2007	:	Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.
GBZ 2.1-2007 / PC-TWA	:	Permissible concentration - time weighted average

Disclaimer

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