

according to GB/T 16483 and GB/T 17519

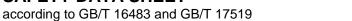
STAPA ALLUMINATE 6321 Aluminum Paste

Version 1.0	Revision Date: 2021/09/02		S Number: 2000034229	Print Date: 2022/01/13 Date of first issue: 2021/09/02						
1. PROE	1. PRODUCT AND COMPANY IDENTIFICATION									
Pro	duct name	:	STAPA ALLUMI	NATE 6321 Aluminum Paste						
Pro	duct code	:	026699G60							
Che	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									
Ado	Address		珠海市金湾区南水镇浪屿路3号							
Tel	ephone	:	+860756722860	0						
Em	ergency telephone numbe	ər :	(China):0532-83	ency Response Hotline for Chemical Incident 889090 急咨询电话(中国): 0532-83889090						
E-n	nail address	:	msds.eckart.asia	a@altana.com						

2. HAZARDS IDENTIFICATION

Emergency	Overview
Lineigeney	0101101

Entergency Overview		
Appearance Colour Odour	:	Pasty solid silver characteristic
Causes skin irritation. May cause effects.	se	drowsiness or dizziness. Harmful to aquatic life with long lasting
GHS Classification		
Skin corrosion/irritation	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Narcotic effects)
Long-term (chronic) aquatic hazard	:	Category 3
GHS label elements Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H315 Causes skin irritation.





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			se drowsiness or dizziness. to aquatic life with long lasting effects.
Preca	autionary statements	· Prevention:	
		P264 Wash sk P271 Use only P273 Avoid re	eathing dust/ fume/ gas/ mist/ vapours/ spray. in thoroughly after handling. outdoors or in a well-ventilated area. lease to the environment. otective gloves.
		P304 + P340 - and keep com doctor if you fe	F ON SKIN: Wash with plenty of water. P 9312 IF INHALED: Remove person to fresh air fortable for breathing. Call a POISON CENTER/ eel unwell. f skin irritation occurs: Get medical advice/ atten-
		Storage: P403 + P233 S tightly closed. P405 Store loo	Store in a well-ventilated place. Keep container
		Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste
Phys	ical and chemical haz	ards	
Not cl	lassified based on avail	able information.	
	h hazards es skin irritation. May c	ause drowsiness or d	izziness.
	onmental hazards ful to aquatic life with lo	ong lasting effects.	

Other hazards which do not result in classification

Combustible Solids

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Substance name

: Mixture

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Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Aluminium powder	7429-90-5	>= 50 -<= 100
Distillates, petroleum, hydrotreated light	64742-47-8	>= 20 -< 25
Solvent naphtha, petroleum, light arom.	64742-95-6	>= 2.5 -< 10





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	Pseudo	ocumene			95-63-6	>= 1 -< 2.5	
4. F	IRST AI	D MEASURES					
General advice		:	Move the victim to fresh air. Do not leave the victim unattended. Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.				
If inhaled		:	Remove to fresh air. Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.				
In case of skin contact		:	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. If on clothes, remove clothes.				
In case of eye contact			:	Immediately flush eye(s) with plenty of water. Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.			
	If swall	owed	 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. 				
		nportant symptoms ects, both acute and d	:	Causes skin irr May cause dro	itation. wsiness or dizziness.		

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Dry sand Special powder against metal fire
Unsuitable extinguishing media	:	Water Foam ABC powder Carbon dioxide (CO2)
		High volume water jet

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	Specifi fighting	c hazards during fire-	:	Do not allow run-o courses.	off from fire fighting to enter drains or water
	Specific extinguishing me- thods		:	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. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.	
	Specia for firef	protective equipment ighters	:	Use personal prot	ective equipment.
				Wear self-contain cessary.	ed breathing apparatus for firefighting if ne-

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emergency procedures	:	Evacuate personnel to safe areas. Use personal protective equipment. Remove all sources of ignition. Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
		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.
		Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	:	Keep away from heat and sources of ignition.

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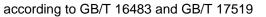
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		Avoid dust formation. Ensure adequate ventilation.						
			Do not breathe va Avoid exposure - Avoid contact with For personal prote Smoking, eating a plication area. Provide sufficient	obtain special instructions before use.				
Avoid	dance of contact	:	Acids Bases Oxidizing agents Highly halogenate	ed compounds				
Stor	age							
Conc	litions for safe storage	:	Keep container cl	ontainer. ightly closed in a cool, well-ventilated place. osed when not in use. sources of ignition - No smoking.				
			place.	ghtly closed in a dry and well-ventilated are opened must be carefully resealed and				
			kept upright to pre Observe label pre	event leakage. ecautions. ions / working materials must comply with				
	nical mea- s/Precautions	:	Protect from hum Do not allow to dr	•				
Mate	rials to avoid	 Do not store together with oxidizing and self-igniting products Never allow product to get in contact with water during stora- ge. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions 						
	ner information on stora- ability	:	No decompositior	n if stored and applied as directed.				

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parame-	Basis
		exposure)	ters / Permissible concentration	





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Alum	inium powder		7429-90-5	PC-TWA (Total dust)	3 mg/m3 (Aluminium)	CN OEL
Pers	onal protective equip	ment				
	iratory protection	:		preathing protec	tion if workplace cor	ncentration
			In the case of approved filte		formation use respi	rator with an
Eye/f	ace protection	:	Tightly fitting	safety goggles		
Skin	and body protection	:	 Long sleeved clothing Safety shoes Choose body protection according to the amount and con- centration of the dangerous substance at the work place. 			
	I protection aterial	:	Solvent-resist	ant gloves		
R	emarks	:	: Take note of the information given by the producer concer- ing permeability and break through times, and of special workplace conditions (mechanical strain, duration of conta The exact break through time can be obtained from the pro- tective glove producer and this has to be observed. Please observe the instructions regarding permeability and break- through time which are provided by the supplier of the glov Also take into consideration the specific local conditions ur der 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.			special of contact). om the pro- id. Please nd break- of the gloves. ditions un- r of cuts, reventive act. The
Hygie	ene measures	:	When using d		nk. nd at the end of wor	kday.

9. PHYSICAL AND CHEMICAL PROPERTIES

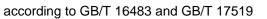
Appearance Propellant Colour Odour Odour Threshold pH Melting point/freezing point		Pasty solid No data available silver characteristic No data available substance/mixture is non-soluble (in water) No data available
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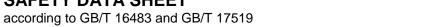
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		oiling point and boiling	:	No data available	
	range Flash p	oint		No data available	
		ation rate	:	No data available	
		ability (solid, gas)	•	Combustible Soli	
			•		
	Flamma	ability (liquids)	:	No data available	
	Burning		:	No data available	•
		ammability	:	not auto-flammat	
		number	:	No data available	
		explosion limit / Upper		No data available	•
		bility limit			
		explosion limit / Lower bility limit	:	No data available	
		pressure	:	No data available	
		e vapour density	:	No data available	
		e density		No data available	•
	Density	1	:	1.4 - 1.6 g/cm3	
	Bulk de	nsity		No data available	
	Solubili		:	No data available	
		n coefficient: n-	÷	No data available	
	octanol				
	Auto-ig	nition temperature	:	240 °C	
	Decom	position temperature	:	No data available	
		celerating decomposi-	:	No data available	•
		nperature (SADT)			
		rature of Polymerisati-	:	No data available	•
	on (SAI			No doto ovoilable	
	Viscosit	ty, kinematic	•	No data available No data available	
	Flow tin	-	:	No data available	
		separation	•	No data available	
		ve properties	•	Not explosive	
	Explosi		•	Not explosive	
				Not explosive	
	Oxidizir	ng properties	:	No data available	•
	Self-hea	ating substances	:	No data available	•
		combustion	:	No data available	9
		sensitivity	:	No data available	
		e tension	:	No data available	
	Conduc		:	No data available	
		ation point	÷	No data available	
		lar weight	÷	No data available	
	centrati	m explosible dust con-	•	No data available	
		eflagration index (Kst)		No data available	
		plosion class	•	No data available	
	Radioa		÷	No data available	
		organic compounds	:	No data available	
	(VOC)				
		organic compounds	:	No data available	•
	(VOC)	content			





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	cle size cle Size Distribution	: No data avai : No data avai	
10. STAB	ILITY AND REACTIVIT	Υ	
	tivity nical stability ibility of hazardous reac	: No decompo - : Reacts with Contact with Mixture reac rogen. Vapour/air-m	sition if stored and applied as directed. sition if stored and applied as directed. alkalis, acids, halogenes and oxidizing agents. acids and alkalis may release hydrogen. ts slowly with water resulting in evolution of hyd- nixtures are explosive at intense warming. sition if stored and applied as directed.
Cond	litions to avoid	: Do not allow No data avai	
Incon	npatible materials		Dxidizing agentsHighly halogenated compounds
Not c Prod	e toxicity classified based on avail uct: e inhalation toxicity	: Acute toxicity Exposure time Test atmosph	estimate: > 10 mg/l e: 4 h ere: dust/mist ulation method
Solve	ponents: ent naphtha, petroleum, e oral toxicity	light arom.: : LD50 (Rat): 3	,492 mg/kg
Acute	e dermal toxicity	: LD50 (Rabbit): > 3,160 mg/kg
	documene: e inhalation toxicity	: Assessment: short term inh	The component/mixture is moderately toxic after alation.
Caus <u>Prod</u>	corrosion/irritation es skin irritation. uct: arks: May cause skin irr	itation in susceptible	e persons.
Distil	ponents: lates, petroleum, hydrot lt: Skin irritation	reated light:	
Not c <u>Prod</u>		able information.	skin and respiratory system.





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Com	oonents:		
Distilla	ates, petroleum, hydro	otreated light:	
Resul	t: No eye irritation		
Boon	iratory or skin sensi	tication	
	sensitisation	lisalion	
-	assified based on ava	ailable information.	
	iratory sensitisation		
	assified based on ava		
	cell mutagenicity		
-	assified based on ava	ailable information.	
	<u>oonents:</u>	. Kabtanan i	
	nt naphtha, petroleun		d on honzono contant < 0.1% (Regulation (EC
	ssment		ed on benzene content < 0.1% (Regulation (EC nex VI, Part 3, Note P)
//0000	Sinen	1212/2000, 711	
	nogenicity		
Not cl	assified based on ava	ailable information.	
	oonents:		
	nt naphtha, petroleun		
ment	nogenicity - Assess-		ed on benzene content < 0.1% (Regulation (EC nex VI, Part 3, Note P)
mem		1212/2000, All	nex vi, rait 3, note r)
Repro	oductive toxicity		
	assified based on ava	ailable information.	
STOT	- single exposure		
-	ause drowsiness or c	lizziness.	
	ponents:		
	ates, petroleum, hydr		
Asses	ssment: way cause of	owsiness or dizziness.	
Solve	nt naphtha, petroleun	n, light arom.:	
			y cause drowsiness or dizziness.
	•		
	documene:		
			ed as specific target organ toxicant, single ex-
posur	e, category 3 with res	piratory tract irritation.	
STOT	- repeated exposur	۵	
	assified based on ava		
	ation toxicity		
Not cl	assified based on ava	ailable information.	
	oonents:		
	ates, petroleum, hydr		
May b	e fatal if swallowed a	nd enters airways.	
Solve	nt naphtha, petroleun	light arom ·	
	be fatal if swallowed a		
y t			
Furth	er information		
<u>Produ</u>			
	arks: Symptoms of over	erexposure may be hea	adache, dizziness, tiredness, nausea and vom
iting.			

Concentrations substantially above the TLV value may cause narcotic effects.



according to GB/T 16483 and GB/T 17519

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Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Distillates, petroleum, hydrotreated light:

Ecotoxicology Assessment

Acute aquatic toxicity	:	Harmful to aquatic life.

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

Solvent naphtha, petroleum, light arom.:

Ecotoxicology Assessment

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

Pseudocumene:

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

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemi- cal or used container.



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				Send to a license	d waste management company.			
C	Contaminated packaging		:	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. 				
14. TF	RANS	PORT INFORMATION						
Ir	nterna	ational Regulations						
F	Remarl	ks	:	Not classified as a lations.	dangerous in the meaning of transport regu-			
A	ADR		:	Not classified as lations.	dangerous in the meaning of transport regu-			
D	ATA-D	ØGR	:	Not classified as lations.	dangerous in the meaning of transport regu-			
II	MDG-	Code	:	Not classified as lations.	dangerous in the meaning of transport regu-			
١	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.							
Ν	Nation	al Regulations						
R	Remarl	ks	:	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 ChemicalsCatalogue of Hazardous Chemicals: Listed

16. OTHER INFORMATION

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; 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



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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 System; 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; TECI - Thailand Existing Chemicals Inventory; 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
CN OEL	:	Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.
CN OEL / PC-TWA	:	Permissible concentration - time weighted average

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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