WACKER

Safety Data Sheet

Material: 10002955 **EL A 07** ***SMP,VARIOUS**

Version: 2.6 (US) Date of print: 12/21/2020 Date of last alteration: 08/05/2020

1. Product and company identification

1.1 Identification of the substance or preparation:

Commercial product name: **EL A 07** ***SMP,VARIOUS**

Use of substance / preparation: Industrial.
adhesives

1.2 Company/undertaking identification:

Manufacturer/distributor:
Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München
Germany

Customer information:
Wacker Chemical Corporation
3301 Sutton Road
Adrian, Michigan 49221-9397
USA
InfoLine:
Tel (517) 264-8240
Hours of operation:
Monday - Friday, 8 am to 5 pm (eastern standard time)
Corporate website: www.wacker.com

Emergency telephone no. (24h): **(517) 264-8500**

Transportation emergency:
(800) 424-9300 (CHEMTREC, USA)
(703) 527-3887 (CHEMTREC, international)

This SDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (GHS):

Hazard class	Hazard category	Route of exposure	H-Code
Flammable liquids	Category 2		H225
Skin corrosion/irritation	Category 2		H315
Serious eye damage/eye irritation	Category 1		H318
Reproductive toxicity	Category 2		H361d
Specific target organ toxicity - single exposure	Category 3		H336
Specific target organ toxicity - repeated exposure	Category 2		H373
Short-term (acute) aquatic hazard	Category 2		H401

2.2 Label elements

Labelling (GHS):

Pictogram(s):

Signal Word: Danger

H-Code	Hazard Statements
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.

P-Code	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P271	Use only outdoors or in a well-ventilated area.
P243	Take action to prevent static discharges.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/ doctor.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370 + P378	In case of fire: use water spray, extinguishing powder, foam or carbon dioxide to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to waste disposal.

2.3 Other hazards

No data available.

3. Composition/information on ingredients

3.1 Chemical characterization (preparation)

Chemical characteristics
Polydimethylsiloxane+auxiliary+Aminosilane+solvent

3.2 Information on ingredients:

Type	CAS No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	108-88-3	Toluene	>25.0	<30.0	R
INHA	16411-33-9	Methyl-tris-n-butylaminosilane	>3.0	<5.0	
INHA	14464-46-1	Cristobalite	>0.1	<0.3	C1, C2

Type: HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. *** **Note:** C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - non-hazardous, R - reproductive toxin.

Cristobalite: This component does not impact the product's hazard classification. Due to the product's physical properties, particulate inhalation exposure is not possible.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

4. First-aid measures

4.1 General information:

Get medical attention immediately. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

4.2 After inhalation

If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

4.3 After contact with the skin

For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water. Do not take clothing home for washing.

4.4 After contact with the eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min. Continue to bathe eyes during transport to medical practitioner.

4.5 After swallowing

For Ingestion, do not attempt to induce vomiting. Danger of aspiration. Induce drinking plenty of water in small portions. Get medical attention immediately. Show label if possible.

5. Fire-fighting measures

5.1 Flammable properties:

Property:		Value:	Method:
Flash point	:	8 °C (46 °F)	(ISO 13736)
Boiling point / boiling range	:	111 °C (232 °F) at 1013 hPa	
Lower explosion limit (LEL)	:	1.2 %(V)	
Upper explosion limit (UEL)	:	7.0 %(V)	
Ignition temperature	:	420 °C (788 °F)	(not specified)
NFPA Hazard Class (comb./flam.liquid)	:	IB	

5.2 Fire and explosion hazards:

Warning! Flammable liquid and vapor. Consider possible formation of explosive mixtures with air, for example in uncleaned containers. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur. Electrostatic charging is possible.

5.3 Recommended extinguishing media:

water-spray , carbon dioxide , dry chemical or alcohol-resistant foam .

5.4 Unsuitable extinguishing media:

sharp water jet .

5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Hazardous combustion products: carbon monoxide , carbon dioxide , silicon dioxide , formaldehyde , nitrogen oxides , incompletely burnt hydrocarbons . Heavy soot formation during combustion.

5.6 Fire fighting procedures:

Cool endangered containers with water. Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

6. Accidental release measures

6.1 Precautions:

Wear personal protection equipment (see section 8). Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Keep unprotected persons away.

HAZWOPER PPE Level: C

6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

6.3 Methods for cleaning up

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Exhaust vapours.

6.4 Further information:

Eliminate all sources of ignition.

7. Handling and storage

7.1 Handling

Precautions for safe handling:
Ensure adequate ventilation. Spilled substance increases risk of slipping.

Precautions against fire and explosion:
Cool endangered containers with water. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces.

7.2 Storage

Conditions for storage rooms and vessels:
none known .

Advice for storage of incompatible materials:
not applicable .

Further information for storage:
Store in a dry and cool place. Keep container tightly closed. Protect against moisture. Protect against sun.

8. Exposure controls and personal protection

8.1 Engineering controls

Ventilation:
General ventilation sufficient to provide 1 CFM per square foot of floor area or 6 room air exchanges per hour is recommended.

Local exhaust:
To control flammable/combustible vapors: Local exhaust ventilation which meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use. (to maintain concentration below TLV)

8.2 Associate substances with specific control parameters such as limit values

Maximum airborne concentrations at the workplace:

CAS No.	Substance	Type	mg/m³	ppm	Dust fract.
108-88-3	Toluene	OSHA PEL		200.0	
108-88-3	Toluene	ACGIH TWA		20.0	

Re Toluene (CAS-no. 108-88-3): carcinogenicity: A4 (ACGIH); ceiling is 300 ppm, maximum peak is 500 ppm for a duration of 10 minutes (OSHA Table Z-2).

n-Butylamine (CAS 109-73-9): ceiling is 5 ppm, skin notation (ACGIH); skin designation, ceiling is 5 ppm or 15 mg/m3 (OSHA Table Z-1); ceiling is 5 ppm, skin notation (NIOSH).

8.3 Personal protection equipment (PPE)

Respiratory protection:
Recommendation: A NIOSH approved air purifying respirator equipped with universal multi-contaminant, multi-gas/vapor cartridges and at least P-99 solid/aerosol particulate filters is recommended if overexposure to dusts, mists, or vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.

Hand protection:
butyl rubber protective gloves .

Eye protection:
Safety glasses with side shields or chemical safety goggles. Additional eye and face protection, splash-proof goggles, hood, full-faced respirator, or face shield is recommended if splashing could occur.

Other protective clothing or equipment:
Recommendation: Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls, or protective suit should be worn if splashing could occur. Provide eye bath and safety shower.

8.4 General hygiene and protection measures:

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. When handling do not eat, drink, smoke or apply cosmetics. Follow standard industrial hygiene practices when using this material. Wash thoroughly after handling.

9. Physical and chemical properties

9.1 Appearance

Physical state	:	liquid
Colour	:	colourless dark
Odour	:	strong

9.2 Safety parameters

Property:		Value:	Method:
Melting point / melting range	:	not applicable	
Boiling point / boiling range	:	111 °C (232 °F) at 1013 hPa	
Flash point	:	8 °C (46 °F)	(ISO 13736)
Ignition temperature	:	420 °C (788 °F)	(not specified)
Lower explosion limit (LEL)	:	1.2 %(V)	
Upper explosion limit (UEL)	:	7.0 %(V)	
Vapour pressure	:	29 hPa / 20 °C (68 °F)	
Density	:	0.98 g/cm³	(DIN 51757)
Water solubility / miscibility	:	virtually insoluble	
pH-Value	:	not applicable	
Viscosity (dynamic)	:	8000 mPa.s at 25 °C (77 °F)	

9.3 Further information

Odour limit	:	no data available
Thermal decomposition	:	not applicable

10. Stability and reactivity

10.1 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.2 Conditions to avoid

Moisture.

10.3 Materials to avoid

Reacts with water. The reaction takes place with the formation of n-butyl amine.

10.4 Hazardous decomposition products

Under the effect of humidity, water and protic agents n-butyl amine. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.5 Further information:

Hazardous polymerization cannot occur.

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

11.1.2 Acute toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Acute toxicity estimate (ATE):
ATE_{mix} (Oral): > 2000 mg/kg

Data on substances:

Toluene:

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: 5580 mg/kg	Rat	ECHA
dermal	LD50: 12400 mg/kg	Rabbit	ECHA
by inhalation (vapour)	LC50: 28.1 mg/l; 4 h	Rat	ECHA

11.1.3 Skin corrosion/irritation

Assessment:

Irritation of the skin must be expected. Due to a strong adherence to the skin symptoms of skin corrosion cannot be excluded after removing the substance mechanically.

Product details:

Result/Effect	Species/Test system	Source
not corrosive	Corrositex	Conclusion by analogy

Data on substances:

Toluene:

Result/Effect	Species/Test system	Source
irritating	Rabbit	ECHA OECD 404

11.1.4 Serious eye damage / eye irritation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Result/Effect	Species/Test system	Source
No eye irritation	Rabbit	ECHA OECD 405

11.1.5 Respiratory or skin sensitization

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Route of exposure	Result/Effect	Species/Test system	Source
dermal	Does not cause skin sensitisation.	Guinea pig; Maximisation Test	ECHA OECD 406

11.1.6 Germ cell mutagenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) mouse lymphoma cells	ECHA OECD 476
negative	mutation assay (in vitro) bacterial cells	ECHA OECD 471

negative	chromosome aberration assay (in vivo) Rat Intraperitoneal; bone marrow cells	ECHA

11.1.7 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances

Toluene:

The substance can possibly impair the unborn child in humans.

11.1.9 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Route of exposure	Result/Effect	Source
by inhalation	Target organs: Central nervous system Vapours may be narcotising.	ECHA

11.1.10 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Target organs in animal experiments: Central nervous system.

11.1.11 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

Data on substances:

Toluene:

Product can pose an aspiration hazard.

11.1.12 Further toxicological information

Cristobalite has been classified by IARC as carcinogen group 1 ("carcinogenic to humans") and by NTP as known to be a human carcinogen. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other information: In contact with dampness product separates a small quantity of n-butylamine (109-73-9) which irritates skin, mucous membranes and respiratory system.

12. Ecological information

12.1 Toxicity

Assessment:

For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.

12.2 Persistence and degradability

Assessment:

Silicone content: biologically not degradable. Separation by sedimentation.

12.3 Bioaccumulative potential

Assessment:

Polymer component: Bioaccumulation is not expected to occur.

12.4 Mobility in soil

Assessment:

Silicone content: Insoluble in water.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

none known

13. Disposal considerations

13.1 RCRA Waste Classification:

D001 (Ignitable)
This classification applies only to the material as it was originally produced.

13.2 Product disposal

Recommendation:
Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.3 Packaging disposal

Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.
Observe local/state/federal regulations.

14. Transport information

14.1 US DOT & CANADA TDG SURFACE

Valuation	:	Dangerous Goods
Proper Shipping Name	:	Flammable liquid, n.o.s.
Technical name	:	(containing toluene and methylbutylaminosilane)
Class	:	3
UN no.	:	1993
Packaging Group	:	II
Label	:	**TL:flammable liquid/3
NAERG Guide	:	128

14.2 Transport by sea IMDG-Code

Valuation	:	Dangerous Goods
Class	:	3
Packaging Group	:	II
UN no.	:	1993
Proper Shipping Name	:	Flammable liquid, n.o.s.
Technical name	:	(containing toluene and methylbutylaminosilane)
EmS No.	:	F-E, S-E
Marine Pollutant	:	no

14.3 Air transport ICAO-TI/IATA-DGR

Valuation	:	Dangerous Goods

Class ..... : 3
UN no. ..... : 1993
Proper Shipping Name ..... : Flammable liquid, n.o.s.
Technical name ..... : (containing toluene and methylbutylaminosilane)
Packaging Group ..... : II

15. Regulatory information

15.1 U.S. Federal regulations

TSCA inventory status and TSCA information:
This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:
This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

CERCLA Regulated Chemicals:

CAS No.	Chemical	RQ	Upper limit wt. %
108-88-3	Toluene	1,000 lbs	27.0519

SARA 302 EHS Chemicals:
This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:
Reproductive toxicity. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure). Flammable (gases, aerosols, liquids, or solids)

SARA 313 Chemicals:

CAS No.	Chemical	Upper limit wt. %
108-88-3	Toluene	27.0519

SARA 313 information included on this SDS should be included in all SDSs that are copied from and distributed for this material.

HAPS (Hazardous Air Pollutants):

CAS No.	Chemical	Upper limit wt. %
108-88-3	Toluene	<=27.0738
71-43-2	Benzene	<=0.0027

15.2 U.S. State regulations

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

California Proposition 65 Carcinogens:

14464-46-1 Cristobalite
71-43-2 Benzene

California Proposition 65 Reproductive Toxins:

108-88-3 Toluene
71-43-2 Benzene

Massachusetts Substance List:
112945-52-5 Silica, amorphous, fumed
108-88-3 Toluene

New Jersey Right-to-Know Hazardous Substance List:
112945-52-5 Silica, amorphous, fumed
108-88-3 Toluene
68855-54-9 Diatomaceous earth, calcined

Pennsylvania Right-to-Know Hazardous Substance List:
112945-52-5 Silica, amorphous, fumed
108-88-3 Toluene
68855-54-9 Diatomaceous earth, calcined

15.3 Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

Australia	**AICS** (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
China	**IECSC** (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Philippines	**PICCS** (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.
United States of America (USA)	**TSCA** (Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory.
Taiwan	**TCSI** (Taiwan Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.
European Economic Area (EEA)	**REACH** (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.
South Korea (Republic of Korea)	**AREC** (Act on Registration and Evaluation of Chemicals; “K-REACH”): General note: in case of registration obligations for substances or polymers imported into Korea or manufactured within Korea these are fulfilled by the supplier mentioned in section 1. The registration obligations for substances or polymers imported into Korea by customers or other downstream users must be fulfilled by the latter.

16. Other information

16.1 Additional information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200).This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

WACKER restricts the use of its products inside the human body or in contact with bodily fluids and mucosa. For further details please review our Health Care Policy on www.wacker.com. WACKER may cancel any delivery obligation(s) if the Health Care Policy is not observed.

16.2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
hPa - Hectopascals
mPa*s - Milli Pascal-Seconds
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
ppm - Parts per Million
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods	**Common name**
ASTM D56	Tagliabue (Tag) closed cup

ASTM D92, DIN 51376, ISO 2592 ..... Cleveland open cup
ASTM D93, DIN 51758, ISO 2719 ..... Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679 ..... Setaflash or Rapid closed cup
DIN 51755..... Abel-Pensky closed cup

16.3 Conversion table:

Pressure:.....: 1 hPa * 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa
Viscosity:.....: 1 mPa*s = 1 centipoise (cP)