

Safety Data Sheet

[®] Prepared in Accordance with HCS 29 C.F.R. 1910.1200

1. Identification of the Substance/Mixture and the Company/Undertaking

1.1	Product Identifier	8815A1LL	Revision Date:	12/05/2022
	Product Name:	CARBOTHANE 8815 ALUMINUM PART A	Supercedes Date:	
1.2	Relevant identified uses of the substance or mixture and uses advised against	Component of multicomponent industrial coatings - Industrial use.		
1.3	Details of the supplier of the safety	v data sheet		
	Manufacturer:	Carboline Global Inc. 2150 Schuetz Road St. Louis, MO USA 63146		
		Regulatory / Technical Information: Contact Carboline Technical Services at 1-800-848-4645		
	Datasheet Produced by:	Schlereth, Ken - regulatory@carboline.c	om	
1.4	Emergency telephone number:	CHEMTREC 1-800-424-9300 (Inside US) CHEMTREC +1 703 5273887 (Outside US) HEALTH - Pittsburgh Poison Control 1-412-681-6669		

2. Hazard Identification

2.1 Classification of the substance or mixture

Carcinogenicity, category 1A Flammable Liquid, category 2 STOT, repeated exposure, category 1 STOT, single exposure, category 3, NE

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

METHYL ETHYL KETONE, N-BUTYL ACETATE, MICROCRYSTALLINE SILICA, AROMATIC HYDROCARBON

HAZARD STATEMENTS

Flammable Liquid, category 2 STOT, single exposure, category 3, NE Carcinogenicity, category 1A STOT, repeated exposure, category 1	H225 H336 H350-1A H372	Highly flammable liquid and vapour. May cause drowsiness or dizziness. May cause cancer. Causes damage to organs through prolonged or repeated
		exposure.
PRECAUTION PHRASES		
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
	P235	Keep cool.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P284	Wear respiratory protection.
	P308+313	IF exposed or concerned: Get medical advice/attention
	P314	Get medical advice/attention if you feel unwell.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
ADDITIONAL INFORMATION		
	Note_P 64742-95-6	Note P : The classification as a carcinogen or mutagen need not apply; the substance, CAS 64742-95-6, contains less than 0,1 % w/w benzene
2.3 Other hazards		

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.

3. Composition/Information On Ingredients

3.2 Mixtures

Hazardous ingredients

Name According to EEC MICROCRYSTALLINE SILICA	<u>EINEC No.</u> 238-878-4	<u>CAS-No.</u> 14808-60-7	<u>%</u> 10 - <25	<u>Classifications</u> H350-372	Carc. 1A, STOT RE 1
N-BUTYL ACETATE	204-658-1	123-86-4	10 - <25	H226-336	Flam. Liq. 3, STOT SE 3 NE

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METHYL ETHYL KETONE	201-159-0	78-93-3	2.5 - <10	H225-319-336	Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 NE
ALUMINUM (DUST OR FUME)	231-072-3	7429-90-5	2.5 - <10		
METHYL N-AMYL KETONE	203-767-1	110-43-0	2.5 - <10	H226-302-332	Acute Tox. 4 Inhalation, Acute Tox. 4 Oral, Flam. Liq. 3
1-METHOXY-2- PROPANOL ACETATE	203-603-9	108-65-6	1.0 - <2.5	H226	Flam. Liq. 3
STODDARD SOLVENT	232-489-3	8052-41-3	1.0 - <2.5	H226-304	
AROMATIC HYDROCARBON	265-199-0	64742-95-6	1.0 - <2.5	H304-315-319-332-335-336-351 -411	Acute Tox. 4 Inhalation, Aquatic Chronic 2, Asp. Tox. 1, Carc. 2, Eye Irrit. 2, Skin Irrit. 2, STOT SE 3 NE, STOT SE 3 RTI
ETHYL BENZENE	202-849-4	100-41-4	0.1 - <1.0	H225-304-315-319-332-351-373 -412	Acute Tox. 4 Inhalation, Aquatic Chronic 3, Asp. Tox. 1, Carc. 2, Eye Irrit. 2, Flam. Liq. 2, Skin Irrit. 2, STOT RE 2

CAS-No.	M-Factors
14808-60-7	0
123-86-4	0
78-93-3	0
7429-90-5	0
110-43-0	0
108-65-6	0
8052-41-3	0
64742-95-6	0
100-41-4	0

Additional Information: The text

The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

AFTER INHALATION: Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

AFTER SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. AFTER INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Irritating to eyes and skin. Risk of serious damage to the lungs (by aspiration). Vapours may cause drowsiness and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

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

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

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Provide adequate ventilation. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Electrical installations / working materials must comply with the technological safety standards. Wear shoes with conductive soles.

FOR SAFETY REASONS NOT TO BE USED: No Information

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

SPECIAL FIREFIGHTING PROCEDURES: In the event of fire, wear self-contained breathing apparatus. Cool containers / tanks with water spray. Flammable.

SPECIAL FIREFIGHTING PROTECTION EQUIPMENT: No Information

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. For personal protection see section 8.

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

No Information

7. Handling and Storage

7.1 Precautions for safe handling

INSTRUCTIONS FOR SAFE HANDLING : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Prepare the working solution as given on the label(s) and/or the user instructions. Do not breathe vapours or spray mist. Ensure all equipment is electrically grounded before beginning transfer operations. Do not use sparking tools. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation/personal protection. Wash thoroughly after handling.

PROTECTION AND HYGIENE MEASURES : Handle in accordance with good industrial hygiene and safety practice. 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: Heat, flames and sparks.

STORAGE CONDITIONS: Keep container closed when not in use. 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.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (US)

Name	CAS-No.	ACGIH TWA	ACGIH STEL	ACGIH Ceiling
MICROCRYSTALLINE SILICA	14808-60-7	0.025 MGM3	N/E	N/E
N-BUTYL ACETATE	123-86-4	50 PPM	150 PPM	N/E
METHYL ETHYL KETONE	78-93-3	200 PPM	300 PPM	N/E
ALUMINUM (DUST OR FUME)	7429-90-5	1 MGM3	N/E	N/E
METHYL N-AMYL KETONE	110-43-0	50 PPM	N/E	N/E
1-METHOXY-2-PROPANOL ACETATE	108-65-6	N/E	N/E	N/E
STODDARD SOLVENT	8052-41-3	100 ppm	N/E	N/E
AROMATIC HYDROCARBON	64742-95-6	300.0 PPM	N/E	N/E
ETHYL BENZENE	100-41-4	20 PPM	125 ppm	
Name	CAS-No.	<u>OSHA PE</u>	<u>L OSHA</u>	<u>STEL</u>
MICROCRYSTALLINE SILICA	14808-60-7	0.05 MGM3	N/I	E
N-BUTYL ACETATE	123-86-4	710 MGM3,	150 PP 9⁄5 0 MGN PP	
METHYL ETHYL KETONE	78-93-3	590 MGM3, 2	200 PP 8⁄8 5 MGN PP	
ALUMINUM (DUST OR FUME)	7429-90-5	5 MGM3 15 I	MGM3 N/I	Ξ
METHYL N-AMYL KETONE	110-43-0	465 MGM3,	100 PPM N/I	Ξ
1-METHOXY-2-PROPANOL ACETATE	108-65-6	N/E	N/I	Ξ
STODDARD SOLVENT	8052-41-3	525 MGM3,	100 PPM N/I	Ē
AROMATIC HYDROCARBON	64742-95-6	500.0 PPM	N/I	Ξ
ETHYL BENZENE	100-41-4	435 MGM3,	100 PP 5/4 5 MGN PP	,

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.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required.

EYE PROTECTION: Safety glasses with side-shields.

HAND PROTECTION: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. Request information on glove permeation properties from the glove supplier. Lightweight protective clothing

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OTHER PROTECTIVE EQUIPMENT: Ensure that eyewash stations and safety showers are close to the workstation location. **ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

9. F	9. Physical and Chemical Properties				
9.1	Information on basic physical and chemical properties Appearance:	Viscous Aluminum Colored			
	Physical State	Liquid			
	Odor	Solvent			
	Odor threshold	N/D			
	рН	N/D			
	Melting point / freezing point (°C)	N/D			
	Boiling point/range (°C)	149 F (65 C) - 300 F (148 C)			
	Flash Point (°C)	58F (14C)			
	Evaporation rate	Slower Than Ether			
	Flammability (solid, gas)	Not determined			
	Upper/lower flammability or explosive limits	0.9 - 13.1			
	Vapour Pressure, mmHg	N/D			
	Vapour density	Heavier than Air			
	Relative density	Not determined			
	Solubility in / Miscibility with water	N/D			
	Partition coefficient: n-octanol/water	Not determined			
	Auto-ignition temperature (°C)	Not determined			
	Decomposition temperature (°C)	Not determined			
	Viscosity	Unknown			
	Explosive properties	Not determined			
	Oxidising properties	Not determined			
9.2	Other information				
	VOC Content g/I:	395			
	Specific Gravity (g/cm3)	1.18			

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions Hazardous polymerisation does not occur.

10.4 Conditions to avoid Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

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

11.	11. Toxicological Information			
11.1	1.1 Information on toxicological effects			
	Acute Toxicity:			
	Oral LD50:	N/D		
	Inhalation LC50:	N/D		
	Irritation:	Unknown		
	Corrosivity:	Unknown		
	Sensitization:	Unknown		
	Repeated dose toxicity:	Unknown		
	Carcinogenicity:	Unknown		
	Mutagenicity:	Unknown		
	Toxicity for reproduction:	Unknown		
	STOT-single exposure:	No Information		
	STOT-repeated exposure:	No Information		
	Aspiration hazard:	No Information		

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:

CAS-No.	Chemical Name	<u>Oral LD50</u>	Dermal LD50	Vapor LC50	<u>Gas LC50</u>	<u>Dust/Mist</u> LC50
14808-60-7	MICROCRYSTALLINE SILICA	22500 mg/kg	Not Available	Not Available	0.000	0.000
123-86-4	N-BUTYL ACETATE	10760 mg/kg, rat, oral	14112 mg/kg (rabbit)	21 mg/l/4/h, Inh. rat		
78-93-3	METHYL ETHYL KETONE	2194 mg/kg rat, oral	Not Available	34.5 mg/L/ 4 hour rat, inhalation	0.000	0.000
7429-90-5	ALUMINUM (DUST OR FUME)	5001 mg/kg, oral, rat	Not Available	888 mg/m3, Inh, Rat	0.000	0.000
110-43-0	METHYL N-AMYL KETONE	1670 mg/kg rat oral	Not Available	2000 ppm, 4 hours	0.000	0.000
108-65-6	1-METHOXY-2-PROPANOL ACETATE	8532 mg/kg, oral (rat)	>5000 mg/kg	101 ppm/4 hr, rat, inh	0.000	0.000
8052-41-3	STODDARD SOLVENT	6001 mg/kg, oral, rat	Not Available	5500 mg/m3, 4h, inhalation	0.000	0.000
64742-95-6	AROMATIC HYDROCARBON	4700 mg/kg, oral, rat	Not Available	3670 ppm/8 hours, rat, inhalation	0.000	0.000

100-41-4	ETHYL BENZENE	3500 mg/kg rat, oral	>5000 mg/l, dermal rabbit	17.2 mg/L Inh, Rat, 4Hr	0.000	0.000
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Additional Information:

This product may contain Ethyl Benzene, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form or progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group 1 carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Constituents may also include abestiform or non-asbestiform tremolite or other silicates as impurities, and above dei minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

12. Ecological Information

12.1	Toxici	ty:						
			Unknown Unknown					
		0 72hr (Algae):	Unkno					
	LU	50 96hr (fish):	UIIKIIU	WII				
12.2	Persis	stence and degradability:	Unkno	wn				
12.3	Bioac	cumulative potential:	Unkno	wn				
12.4	Mobili	ty in soil:	Unkno	wn				
12.5	12.5 Results of PBT and vPvB assessment:			oduct does not meet	the criteria for PBT/VPvB	in accordance with Annex XIII		
12.6	Other	adverse effects:	Unkno	wn				
CAS-	No.	Chemical Name		<u>EC50 48hr</u>	<u>IC50 72hr</u>	LC50 96hr		
1480	8-60-7	MICROCRYSTALLINE SILICA		No information	No information	No information		
123-8	36-4	N-BUTYL ACETATE		44 mg/l (Daphnia magna)	674.7 mg/L (Green Algae)	18 mg/l (Fathead minnow)		
78-93	3-3	METHYL ETHYL KETONE		308 mg/l (Daphnia magna)	No information	2993 mg/l (Pimephales promelas)		
7429	-90-5	ALUMINUM (DUST OR FUME)		No information	No information	No information		
110-4	43-0	METHYL N-AMYL KETONE		No information	No information	126 - 137 mg/L - Pimephales promelas		
108-6	65-6	1-METHOXY-2-PROPANOL ACETATE		408 mg/l (Daphnia Magna)	>1000 mg/l (Green Algae)	161 mg/l (Fathead Minnow)		
8052	-41-3	STODDARD SOLVENT		No information	No information	No information		
6474	2-95-6	AROMATIC HYDROCARBON		No information	No information	No information		
100-4	41-4	ETHYL BENZENE		1.8 mg/l (Daphnia Magna)	4.6 mg/l (Green Algae)	4.2 mg/l (Rainbow Trout)		

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. Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

17.		
14.1	UN number	UN 1263
14.2	UN proper shipping name	Paint
	Technical name	N/A
14.3	Transport hazard class(es)	3
	Subsidiary shipping hazard	N/A
14.4	Packing group	II
14.5	Environmental hazards	Unknown
14.6	Special precautions for user	Unknown
	EmS-No.:	F-E, S-E
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Unknown

15. Regulatory Information

^{15.1} Safety, health and environmental regulations/legislation for the substance or mixture:

U.S. Federal Regulations: As follows -

CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Specific target organ toxicity (single or repeated exposure) **Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.	<u>%</u>
ETHYL BENZENE	100-41-4	0.61
Toxic Substances Control Act:		

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Chemical Name No TSCA 12(b) components exist in this product.

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS-No.
ACRYLIC COPOLYMER	TRADE SECRET

Pennsylvania Right-To-Know

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u> ACRYLIC COPOLYMER POLYESTER POLYOL

CAS-No.

CAS-No.

TRADE SECRET TRADE SECRET

CALIFORNIA PROPOSITION 65

WARNING: Cancer and Reproductive Harm -- www.P65Warnings.ca.gov

International Regulations: As follows -

* Canadian DSL:

No Information

15.2 Chemical Safety Assessment:

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

16. Other Information

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

10/11/01	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Reasons for revision

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.