

## 1 Identification of substance

- **Product details**
- **Trade name:** 38063-38193 Rust Shield Aero
- **Article number:** 38063-38193Aero
- **Manufacturer/Supplier:**  
SEM Products, Inc.  
651 Michael Wylie Dr.  
Charlotte, NC 28217  
USA  
(704)522-1006
- **Information department:** 24HR EMERGENCY CHEMTREC 800-424-9300

## 2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

67-64-1	acetone	25-50%
110-19-0	isobutyl acetate	2.5-10%
	ALKYD RESIN	2.5-10%
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	2.5-10%
1330-20-7	xylene	2.5-10%
108-88-3	toluene	2.5-10%
107-87-9	pentan-2-one	≤ 2.5%
14808-60-7	Quartz (SiO <sub>2</sub> )	≤ 2.5%

## 3 Hazards identification

- **Hazard description:**



Toxic  
Extremely flammable

- **WHMIS-symbols:**

A - Compressed gas

B5 - Flammable aerosol

D2A - Very toxic material causing other toxic effects



- **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of international guidelines.

Warning! Pressurized container.

Has a narcotizing effect.

May cause cancer by inhalation.

Extremely flammable.

Irritating to eyes, respiratory system and skin.

Possible risk of harm to the unborn child.



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Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

44.6 % by mass of the contents are flammable

Keep out of the reach of children.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 0

#### 4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

#### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

#### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.

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Open and handle receptacle with care.

· **Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not gas tight seal receptacle.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

## 8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

**67-64-1 acetone**

EL Short-term value: 500 ppm

Long-term value: 250 ppm

**110-19-0 isobutyl acetate**

EL Short-term value: 187 ppm

Long-term value: 150 ppm

**1330-20-7 xylene**

EL Short-term value: 150 ppm

Long-term value: 100 ppm

Skin

**108-88-3 toluene**

EL Short-term value: 100 ppm

Long-term value: 50 ppm

Skin, R2

**107-87-9 pentan-2-one**

EL Short-term value: 250 ppm

Long-term value: 150 ppm

**14808-60-7 Quartz (SiO<sub>2</sub>)**

EL 0.1 mg/m<sup>3</sup>

respirable dust; K2, A

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

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Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Aerosol
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** -19°C

· **Flash point:** -19°C

· **Ignition temperature:** 405.0°C

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:**

· **Explosion limits:**

<b>Lower:</b>	1.9 Vol %
<b>Upper:</b>	13.0 Vol %

· **Vapor pressure at 20°C:** 233.0 hPa

· **Density at 20°C:** 0.77 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

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- **Solvent content:**
  - Organic solvents:** 78.4 %
- **Solids content:** 15.9 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

#### 108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant  
Carcinogenic if inhaled.

### 12 Ecological information

- **General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.

### 13 Disposal considerations

- **Product:**
- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

· DOT regulations:



- Hazard class: 2.1
- Identification number: UN1950
- Packing group: -
- Proper shipping name (technical name): AEROSOLS, flammable
- Label: 2.1

· Land transport ADR/RID (cross-border):



- ADR/RID class: 2 5F Gases
- Danger code (Kemler): 23
- UN-Number: 1950
- Packaging group: -
- Label: 2.1
- Description of goods: 1950 AEROSOLS

· Maritime transport IMDG:



- IMDG Class: 2.1
- UN Number: 1950
- Label: 2.1
- Packaging group: -
- EMS Number: F-D,S-U
- Marine pollutant: No
- Proper shipping name: AEROSOLS

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 2.1
- UN/ID Number: 1950
- Label: 2.1
- Packaging group: -
- Proper shipping name: AEROSOLS, flammable

## 15 Regulations

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

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<b>· Section 313 (Specific toxic chemical listings):</b>	
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
1330-20-7	xylene
108-88-3	toluene
	ACRYLIC RESIN
78-93-3	butanone
108-10-1	4-methylpentan-2-one
67-63-0	propan-2-ol
67-56-1	methanol
100-41-4	ethylbenzene

<b>· TSCA (Toxic Substances Control Act):</b>	
67-64-1	acetone
68476-86-8	Petroleum gases, liquefied, sweetened
110-19-0	isobutyl acetate
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
1330-20-7	xylene
108-88-3	toluene
763-69-9	ethyl 3-ethoxypropionate
107-87-9	pentan-2-one
14808-60-7	Quartz (SiO <sub>2</sub> )
1333-86-4	Carbon black
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
123-86-4	n-butyl acetate
111-76-2	2-butoxyethanol
78-93-3	butanone
108-10-1	4-methylpentan-2-one

**· Proposition 65**

<b>· Chemicals known to cause cancer:</b>	
1330-20-7	xylene
14808-60-7	Quartz (SiO <sub>2</sub> )
1333-86-4	Carbon black
68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE

**· Chemicals known to cause reproductive toxicity:**

108-88-3	toluene
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**· Cancerogenity categories**

<b>· EPA (Environmental Protection Agency)</b>		
67-64-1	acetone	D
1330-20-7	xylene	D
108-88-3	toluene	D
78-93-3	butanone	D
100-41-4	ethylbenzene	D

**· IARC (International Agency for Research on Cancer)**

14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	3
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1330-20-7	xylene	3
108-88-3	toluene	3
14808-60-7	Quartz (SiO <sub>2</sub> )	1
1333-86-4	Carbon black	2B
68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE	TRACE AMOUNTS OF 14808-60-7
67-63-0	propan-2-ol	3
100-41-4	ethylbenzene	2B

**· NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO <sub>2</sub> )	K
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**· TLV (Threshold Limit Value established by ACGIH)**

67-64-1	acetone	A4
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	A4
1330-20-7	xylene	A4
108-88-3	toluene	A4
14808-60-7	Quartz (SiO <sub>2</sub> )	A2
1333-86-4	Carbon black	A4

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7	Quartz (SiO <sub>2</sub> )
1333-86-4	Carbon black

**· OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**· Canadian substance listings:**

**· Canadian Domestic Substances List (DSL)**

67-64-1	acetone
68476-86-8	Petroleum gases, liquefied, sweetened
110-19-0	isobutyl acetate
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
1330-20-7	xylene
108-88-3	toluene
763-69-9	ethyl 3-ethoxypropionate
107-87-9	pentan-2-one
14808-60-7	Quartz (SiO <sub>2</sub> )
1333-86-4	Carbon black
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
123-86-4	n-butyl acetate
111-76-2	2-butoxyethanol
68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE
78-93-3	butanone

**· Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

**· Canadian Ingredient Disclosure list (limit 1%)**

67-64-1	acetone
110-19-0	isobutyl acetate

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108-88-3	toluene
107-87-9	pentan-2-one
14808-60-7	Quartz (SiO <sub>2</sub> )

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Toxic  
Extremely flammable

· **Hazard-determining components of labelling:**

toluene  
Quartz (SiO<sub>2</sub>)

· **Risk phrases:**

May cause cancer by inhalation.  
Extremely flammable.  
Irritating to eyes, respiratory system and skin.  
Possible risk of harm to the unborn child.  
Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

Avoid exposure - obtain special instructions before use.  
Keep locked up and out of the reach of children.  
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
Wear suitable protective clothing, gloves and eye/face protection.  
In case of insufficient ventilation, wear suitable respiratory equipment.

· **Special labeling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
44.6 % by mass of the contents are flammable  
Keep out of the reach of children.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Environment protection department.
- **Contact:** Mr. George Wallace