



Reviewed on 06/20/2017

1 Identification

- · Product identifier
- · Trade name: 39573 Rust Preventer Aerosol
- · Article number: 39573
- · Application of the substance / the mixture Coating
- · Details of the supplier of the safety data sheet
- Manufacturer/Supplier: SEM Products Inc. 1685 Overview Drive Rock Hill, SC 29730 803 207 8225

· Information department:

cust_care@semproducts.com : SEM Products,Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT

• Emergency telephone number: CHEMTREC 1-800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture

GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.

GHS04 Gas cylinder

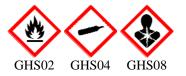
Press. Gas H280 Contains gas under pressure; may explode if heated.

GHS08 Health hazard

	Muta. 1A	H340 May cause genetic defects.
	Carc. 1B	H350 May cause cancer.
	STOT RE 1	H372 Causes damage to the central nervous system through prolonged or repeated exposure.
	Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
-		

· Label elements

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Danger

• *Hazard-determining components of labeling: Petroleum gases, liquefied, sweetened Solvent naphtha (petroleum), light aliph.*

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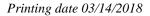
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		(Contd. of page 1)
	t naphtha (petroleum), medium aliph.	
Aspha		
	d statements	
	Extremely flammable aerosol.	
	Contains gas under pressure; may explode if heated.	
	May cause genetic defects.	
	May cause cancer.	
	Causes damage to the central nervous system through prolonged or repeated exposu	re.
	May be fatal if swallowed and enters airways.	
	itionary statements	
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.	
P211	Do not spray on an open flame or other ignition source.	
P251	Pressurized container: Do not pierce or burn, even after use.	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.	
P264	Wash thoroughly after handling.	
P270	Do not eat, drink or smoke when using this product.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
	P310 If swallowed: Immediately call a poison center/doctor.	
P331	Do NOT induce vomiting.	
	P313 IF exposed or concerned: Get medical advice/attention.	
P314	Get medical advice/attention if you feel unwell.	
P405	Store locked up.	
	P403 Protect from sunlight. Store in a well-ventilated place.	
	P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.	
P501	Dispose of contents/container in accordance with local/regional/national/inter	rnational regulations.
	fication system:	
· NFPA	ratings (scale 0 - 4)	
	Health = 0	
	Fire = 4	
	$\frac{3}{Reactivity} = 3$	
· HMIS	-ratings (scale 0 - 4)	
HEALT		
	\square $\Pi e a u n = 1$	
FIRE	4 Fire = 4	
REACT	IVITY 3 Reactivity = 3	
· Other	hazanda	
	nazaras s of PBT and vPvB assessment	
	Not applicable.	
	Not applicable.	
· VI VD.	Noi applicable.	
3 Com	position/information on ingredients	
-		
	cal characterization: Mixtures	
· Descri	ption:	
	e: consisting of the following components.	
Weigh	t percentages	
		(Contd. on page 3)

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· Dangerous	components:	
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
64742-88-7	Solvent naphtha (petroleum), medium aliph.	13-30%
64742-89-8	Solvent naphtha (petroleum), light aliph.	10-13%
8052-42-4	Asphalt	1.5-5%

4 First-aid measures

- · Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 *Fire-fighting measures*

- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

• <i>Personal precautions, protective equipment and emergency procedures</i> Wear protective equipment. Keep unprotected persons away.	
• Environmental precautions: Do not allow to enter sewers/ surface or ground water.	
• Methods and material for containment and cleaning up:	
Dispose contaminated material as waste according to item 13.	
Ensure adequate ventilation.	
· Reference to other sections	
See Section 7 for information on safe handling.	
See Section 8 for information on personal protection equipment.	
See Section 13 for disposal information.	
Protective Action Criteria for Chemicals	
• PAC-1:	
8052-42-4 Asphalt	30 mg/m
• PAC-2:	
8052-42-4 Asphalt	330 mg/m
	(Contd. on page



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 $2,000\ mg/m^3$

7 Handling and storage

8052-42-4 Asphalt

· Handling:

· PAC-3:

• **Precautions for safe handling** No special measures required. Ensure good ventilation/exhaustion at the workplace.

· 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.

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.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- 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.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

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

- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

8052-42-4 Asphalt

REL Ceiling limit value: 5* mg/m³ *15-min; See Pocket Guide App. A

TLV Long-term value: $0.5* \text{ mg/m}^3$

*inh. fraction; as benzene-soluble aerosol; BEIp

· Ingredients with biological limit values:

8052-42-4 Asphalt

BEI

Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)

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

· Exposure controls

- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

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Store protective clothing separately.

· 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:

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



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. • *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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

Information on basic physical and General Information	chemical properties
Appearance:	
Form:	Aerosol
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	153 °C
Flash point:	-103 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	265 °C
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.

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Explosion limits:		
Lower:	0.6 Vol %	
Upper:	9.5 Vol %	
• Vapor pressure at 20 •C:	14 hPa	
Density at 20 °C:	0.75819 g/cm ³	
Relative density	Not determined.	
Vapor density	Not determined.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol/w	ater): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	61.0 %	
VOC content:	61.01 %	
	462.5 g/l / 3.86 lb/gl	
Solids content:	39.0 %	
Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- *Incompatible materials:* No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

64742-88-7 Solvent naphtha (petroleum), medium aliph.

Oral	LD50	>6,500 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)

Inhalative LC50/4 h > 14 mg/l (rat)

- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.

• Sensitization: No sensitizing effects known.

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· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

8052-42-4 Asphalt

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- *Persistence and degradability* No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional 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.
- Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · 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.

UN-Number DOT, ADR, IMDG, IATA	UN1950	
	011750	
UN proper shipping name		
DOT	Aerosols, flammable	
ADR	1950 Aerosols	
IMDG	AEROSOLS	
IATA	AEROSOLS, flammable	

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Transport hazard class(es)	
DOT	
· Class	2.1
Label	2.1
ADR	
V	
· Class	2 5F Gases
Label	2.1
· IMDG, IATA	
•	
· Class · Label	2.1 2.1
Packing group	2.1
· DOT, ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Gases
EMS Number: Stowage Code	F-D,S-U SW1 Protected from sources of heat.
Storrage Coue	SW22 For AEROSOLS with a maximum capacity of 1 litr
	Category A. For AEROSOLS with a capacity above 1 litr
	Category B. For WASTE AEROSOLS: Category C, Clear of livin
Segregation Code	quarters. SG69 For AEROSOLS with a maximum capacity of 1 litr
Segregation Cour	Segregation as for class 9. Stow "separated from" class 1 except for
	division 1.4. For AEROSOLS with a capacity above 1 litr
	Segregation as for the appropriate subdivision of class 2. For
	WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.
	(Contd. on page



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Transport/Additional information:		
·DOT		
Quantity limitations	On passenger aircraft/rail: 75 kg	
	On cargo aircraft only: 150 kg	
· ADR		
\cdot Excepted quantities (EQ)	Code: E0	
	Not permitted as Excepted Quantity	
· IMDG		
· Limited quantities (LQ)	1L	
· Excepted quantities ($\widetilde{E}Q$)	Code: E0	
	Not permitted as Excepted Quantity	
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1	

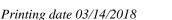
15 Regulatory information

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 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

· Section 355 (extremely hazardous substances):
None of the ingredient is listed.
· Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
· TSCA (Toxic Substances Control Act):
68476-86-8 Petroleum gases, liquefied, sweetened
64742-88-7 Solvent naphtha (petroleum), medium aliph.
64742-89-8 Solvent naphtha (petroleum), light aliph.
8052-42-4 Asphalt
· Proposition 65
· Chemicals known to cause cancer:
8052-42-4 Asphalt
· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
· Cancerogenity categories
· EPA (Environmental Protection Agency)
None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)
8052-42-4 Asphalt A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)
8052-42-4 Asphalt
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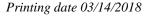
(Contd. of page 9) • GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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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 SDS: Environment protection department.
- · Contact: Rita Joiner (rjoiner@semproducts.com)
- · Date of preparation / last revision 03/14/2018 / 8

· Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety **OSHA:** Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flam. Aerosol 1: Aerosols - Category 1 Press. Gas: Gases under pressure - Compressed gas Muta. 1A: Germ cell mutagenicity - Category 1A Carc. 1B: Carcinogenicity - Category 1B STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1 Asp. Tox. 1: Aspiration hazard - Category 1 \cdot * Data compared to the previous version altered.