



1 Identification of the substance/mixture and of the company/undertaking

· Product details

· **Trade name:** 39574 Rust Preventer compound

· **Article number:** 39574

· **Application of the substance / the preparation** coating

· 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 information:** 24 HR EMERGENCY CHEMTREC 1-800-424-9300

2 Composition/information on ingredients

· Chemical characterization

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

64742-88-7	Solvent naphtha (petroleum), medium aliph. H304	30 - 40%
64742-89-8	Solvent naphtha (petroleum), light aliph. H340; H350; H304	10 - 13%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene H226; H315; H319; H335	1.5 - 5%
8052-42-4	Asphalt H301; H315; H319; H335	1.5 - 5%

3 Hazards identification

· Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



GHS02 Flame

H225 Highly flammable liquid and vapour.



GHS08 Health hazard

H340 May cause genetic defects.

H350 May cause cancer.

H333 May be harmful if inhaled.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Toxic

May cause cancer. May cause heritable genetic damage.

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**Highly flammable***Highly flammable.*
· Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of international guidelines.
· Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
· Label elements
· Labelling according to Regulation (EC) No 1272/2008
· Hazard pictograms


GHS02



GHS08

· Signal word Danger
· Hazard-determining components of labelling:
Solvent naphtha (petroleum), light aliph.
· Hazard statements
*Highly flammable liquid and vapour.**May be harmful if inhaled.**May cause genetic defects.**May cause cancer.*
· Precautionary statements
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.**Use explosion-proof electrical/ventilating/lighting/equipment.**Wear protective gloves/protective clothing/eye protection/face protection.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*
· Labelling according to EU guidelines:
*Observe the general safety regulations when handling chemicals.**The product has been classified and marked in accordance with directives on hazardous materials.*
· Code letter and hazard designation of product:
**Toxic****Highly flammable**
· Hazard-determining components of labelling:
Solvent naphtha (petroleum), light aliph.
· Risk phrases:
*May cause cancer.**May cause heritable genetic damage.**Highly flammable.*
· Safety phrases:
Avoid exposure - obtain special instructions before use.

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Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 In case of insufficient ventilation, wear suitable respiratory equipment.
 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 This material and its container must be disposed of as hazardous waste.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = *0
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **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:**
 Prevent seepage into sewage system, workpits and cellars.
 Dilute with plenty of water.
- **Measures for cleaning/collecting:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to item 13.
 Ensure adequate ventilation.
 Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 No special measures required.
 Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.

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Prevent formation of aerosols.

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

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Keep respiratory protective device available.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

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

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

8 Exposure controls/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:**

8052-42-4 Asphalt

REL Short-term value: C 5* mg/m³

*15-min

TLV 0.5* mg/m³

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

· **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.

· **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.

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· Eye protection:


Tightly sealed goggles

9 Physical and chemical properties
· General Information
· Appearance:

Form: Liquid
Color: According to product specification
Odor: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· Flash point: 4°C (39°F)

· Ignition temperature: 265°C (509°F)

· Auto igniting: Product is not selfigniting.

· Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

· Explosion limits:

Lower: 0.6 Vol %
Upper: 6.5 Vol %

· Vapor pressure at 20°C (68°F): 14 hPa (11 mm Hg)

· Density at 20°C (68°F): 0.941 g/cm³ (7.853 lbs/gal)

· Solubility in / Miscibility with

Water: Fully miscible.

· Viscosity:

Dynamic at 20°C (68°F): 3000 mPas

· Solvent content:

Organic solvents: 48.1 %
VOC content: 44.4 %
 429.0 g/l / 3.58 lb/gal

Solids content: 51.9 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Materials to be avoided:

· Dangerous reactions No dangerous reactions known.

· Dangerous products of decomposition: No dangerous decomposition products known.

USA

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11 Toxicological information

- **Acute toxicity:**

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

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

Oral	LD50	>6500 mg/kg (rat)
Dermal	LD50	>3000 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.

- **Additional toxicological information:**

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

The product can cause inheritable damage.

12 Ecological information

- **Additional ecological information:**

- **General notes:** Generally not hazardous for water

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.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **DOT regulations:**



- **Hazard class:**

3

- **Identification number:**

UN1263

- **Packing group:**

III

- **Proper shipping name (technical name):** PAINT

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USA

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 05/09/2011

Reviewed on 05/09/2011

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· **Label** 3· **Land transport TDG (Canada) and ADR/RID (Europe):**

· **Hazard class:** 3 Flammable liquids
 · **UN-Number:** 1263
 · **Packaging group:** III
 · **Label:** 3
 · **Description of goods:** 1263 PAINT, special provision 640H

· **Maritime transport IMDG:**

· **IMDG Class:** 3
 · **UN Number:** 1263
 · **Label** 3
 · **Packaging group:** III
 · **EMS Number:** F-E,S-E
 · **Marine pollutant:** No
 · **Propper shipping name:** PAINT

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1263
 · **Label** 3
 · **Packaging group:** III
 · **Propper shipping name:** PAINT

· **UN "Model Regulation":** UN1263, PAINT, 3, III

15 Regulatory information

· **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):**

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

64742-89-8 Solvent naphtha (petroleum), light aliph.

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98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	
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.		
· IARC (International Agency for Research on Cancer)		
8052-42-4	Asphalt	3
· NTP (National Toxicology Program)		
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	
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		
· Chemical safety assessment A Chemical Safety Assessment has not been carried out.		

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:** Steve Gaver

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

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-USA-

Material Safety Data Sheet
acc. to ISO/DIS 11014



Printing date 05/09/2011

Reviewed on 05/09/2011

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LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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