



USA

Reviewed on 01/08/2016

### **1** Identification

- · Product identifier
- · Trade name: 69501,69508 Rust Mort
- · Article number: 69501, 69508, 69504
- · 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

GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

*Eye Dam.* 1 H318 Causes serious eye damage.

· Label elements

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



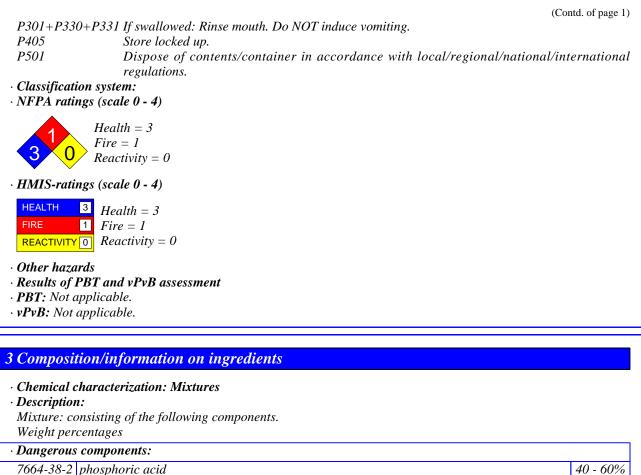
· Signal word Danger

	ining components of labeling:
phosphoric acid	
<ul> <li>Hazard stateme</li> </ul>	ents
H314 Causes se	evere skin burns and eye damage.
· Precautionary	statements
P260	Do not breathe dusts or mists.
P280	Wear eye protection / face protection.
P264	Wash thoroughly after handling.
P303+P361+P	353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/
	shower.
P305+P351+P	338 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.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363	Wash contaminated clothing before reuse.
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67-63-0 propan-2-ol

#### 4 First-aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- 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. Then consult a doctor.
- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a 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: Use fire fighting measures that suit the environment.

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1.5 - 5%

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· Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.

· Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

#### 6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.
- · Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

• Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. 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.

### 7 Handling and storage

· Handling:

- · Precautions for safe handling No special measures required. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- · Information about protection against explosions and fires: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities

· Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- 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:

7664-38-2 phosphoric acid

PEL Long-term value: 1 mg/m<sup>3</sup>

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DEL	(Contd. of page 2
REL	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
TIV	
ILV	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
57-6	3-0 propan-2-ol
	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
XEL	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TI 17	
LV	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm
	BEI
ngre	edients with biological limit values:
-	3-0 propan-2-ol
	40 mg/L
	Medium: urine
	Time: end of shift at end of workweek
	Parameter: Acetone (background, nonspecific)
Addi	tional information: The lists that were valid during the creation were used as basis.
Exno	sure controls
	onal protective equipment:
	ral protective and hygienic measures:
Кеер	away from foodstuffs, beverages and feed.
Imme	ediately remove all soiled and contaminated clothing.
Wash	n hands before breaks and at the end of work.
	d contact with the eyes.
	l contact with the eyes and skin.
	thing equipment:
respi	se of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure us ratory protective device that is independent of circulating air.
	ection of hands:
	to missing tests no recommendation to the glove material can be given for the product/ the preparation/ th ical mixture.
	tion of the glove material on consideration of the penetration times, rates of diffusion and the degradation
6.1	Protective gloves
The	glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
	rial of gloves
	velection of the suitable gloves does not only depend on the material, but also on further marks of quality ar
	s from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance
	glove material can not be calculated in advance and has therefore to be checked prior to the application.
	tration time of glove material
The e	exact break trough time has to be found out by the manufacturer of the protective gloves and has to b
obsei	
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• Eye protection:

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Tightly sealed goggles

#### \*

9 Physical and chemical properties

Information on basic physical and General Information	-
Appearance:	
Form:	Liquid
Color:	According to product specification
Odor:	Characteristic Not determined.
Odor threshold:	Not determined.
pH-value:	Noi determined.
Change in condition	**
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C
Flash point:	100 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard. In use, may form flammable/explosive vapour-air mixture.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure at 20 °C:	23 hPa
Density at 20 °C:	1.18364 g/cm <sup>3</sup>
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/wat	ter): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	3.2 %
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Water:	51.6 %	
VOC content:	3.2 % 98.4 g/l / 0.82 lb/gl	
Solids content:	0.3 %	
• 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:
- · Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.
- on the eye:
- Strong caustic effect.

Strong irritant with the danger of severe eye injury.

- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

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

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

#### · Carcinogenic categories

· IARC (International Agency for Research on Cancer)

67-63-0 propan-2-ol

· 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

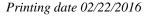
· Aquatic toxicity: No further relevant information available.

· Persistence and degradability No further relevant information available.

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- · 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 1 (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- · 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

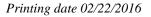
· Recommendation:

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

### **14 Transport information** · UN-Number UN1760 · DOT, ADR, IMDG, IATA · UN proper shipping name · DOT, IATA Corrosive liquids, n.o.s. (Phosphoric acid solution) · ADR 1760 Corrosive liquids, n.o.s. (Phosphoric acid solution) · IMDG CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID, SOLUTION) · Transport hazard class(es) $\cdot DOT$ · Class 8 Corrosive substances · Label 8 · ADR, IMDG, IATA · Class 8 Corrosive substances · Label 8 (Contd. on page 8)

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Packing group DOT, ADR, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Corrosive substances
EMS Number:	F-A,S-B
Segregation groups	Acids
Stowage Category	A
Stowage Code	SW2 Clear of living quarters.
Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
ADR	
Excepted quantities (EQ)	Code: El
· · · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities $(EQ)$	Code: El
· · · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1760 CORROSIVE LIQUIDS, N.O.S. (PHOSPHORIC ACI
2	SOLUTION), 8, III

### **15 Regulatory information**

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

· Section 355 (extremely	v hazardous substances):
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None of the ingredient is listed.

#### · Section 313 (Specific toxic chemical listings):

7664-38-2 phosphoric acid

67-63-0 propan-2-ol

### · TSCA (Toxic Substances Control Act):

7664-38-2 phosphoric acid

67-63-0 propan-2-ol

39430-51-8 CHROMIC ACETATE

7732-18-5 water, distilled, conductivity or of similar purity

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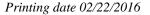
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· Proposition 65	n to cause cancer:
None of the ingre	
	n to cause reproductive toxicity for females:
None of the ingre	dients is listed.
· Chemicals known	n to cause reproductive toxicity for males:
None of the ingre	
· Chemicals know	n to cause developmental toxicity:
None of the ingre	
· Cancerogenity ca	
	ental Protection Agency)
None of the ingre	
	Limit Value established by ACGIH)
67-63-0 propan	
	ional Institute for Occupational Safety and Health)
None of the ingre	
· GHS label eleme · Hazard pictogram	nts The product is classified and labeled according to the Globally Harmonized System (GHS)
phosphoric acid	ing components of labeling:
· Hazard statemen	
· Precautionary sta	ere skin burns and eye damage. atements
P260	Do not breathe dusts or mists.
P280	Wear eye protection / face protection.
P264	Wash thoroughly after handling.
P303+P361+P35	53 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with wat shower.
P305+P351+P33	38 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P304+P340	<i>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</i>
P363	Wash contaminated clothing before reuse.
	31 If swallowed: Rinse mouth. Do NOT induce vomiting.
P405 P501	Store locked up. Dispose of contents/container in accordance with local/regional/national/internation
. Chemical safety a	regulations. assessment: A Chemical Safety Assessment has not been carried out.
Chemical sajety e	

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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: Steve Gaver (sgaver@semproducts.com)
- Date of preparation / last revision 02/22/2016 / 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) 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 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  $\cdot$  \* Data compared to the previous version altered.