Herosol Mastic adnesion reomotor

Material Safety Data Sheet acc. to ISO/DIS 11014



Printing date 01/31/2008

Reviewed on 01/31/2008

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1 Identification of substance

· Product details

Trade name: Adhesion Promoter Aerosol

Article number: 39863

Manufacturer/Supplier: SEM Products Inc. 651 Michael Wylie Dr. Charlotte, NC 28217 (704)522-1006

· Information department:

labsupport@sem.ws : SEM Products 651 Michael Wylie Dr. Charlotte, NC 28217 : phone 1-704-522-1006, M - TH 7am - 4pm EDT

• Emergency information: 24 HR EMERGENCY CHEMTREC 1-800-424-9300

2 Composition/Data on components

· Chemical characterization

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

68476-86-8	Petroleum gases, liquefied, sweetened	10-25%
	Danger: 🛞 2.2/1	
	Warning: 🗇 2.5/C	
64742-89-8	Solvent naphtha (petroleum), light aliph.	10-25%
	Danger: 🚸 2.6/1; 🚯 3.10/1	
108-88-3		10-25%
	Danger: (\$ 2.6/2; (\$ 3.10/1, 3.7/2) Warning: (\$ 3.2/2, 3.3/2A, 3.8/3)	
67-64-1	acetone	10-25%
	Danger: 🚸 2.6/2 Warning: 🚯 3.3/2A, 3.8/3	
123-86-4	n-butyl acetate Warning: 🚸 2.6/3; 🚯 3.8/3	2.5-10%

3 Hazards identification

• Hazard description:



Harmful Extremely flammable

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. Extremely flammable. Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

Danger of serious damage to health by prolonged exposure.

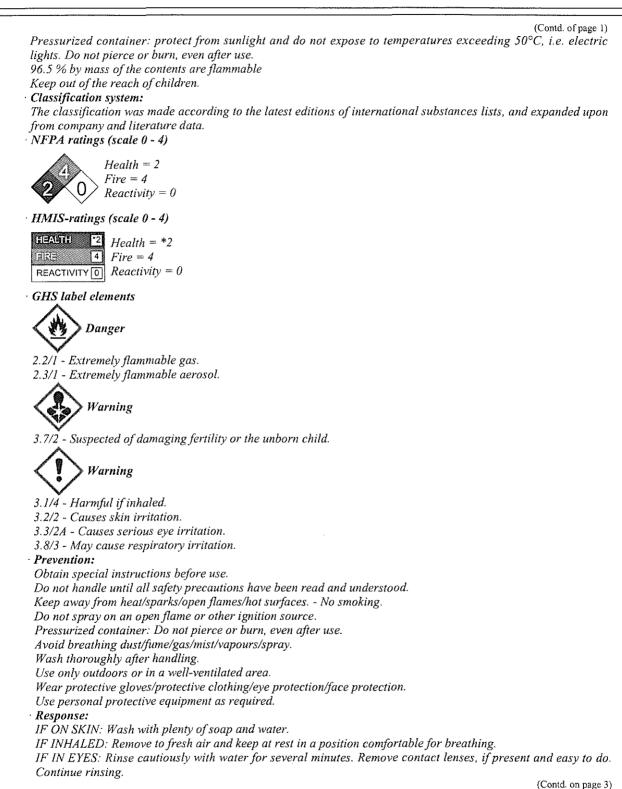
Possible risk of harm to the unborn child.

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(Contd. of page 2) IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Storage: Store in a well-ventilated place. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F. Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

4 First aid measures

• General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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:

CO2, 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: Mouth respiratory protective device.

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.

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	**
· Hand	ling: mation for safe handling:
	e good ventilation/exhaustion at the workplace.
	and handle receptacle with care.
	mation about protection against explosions and fires:
Do no	t spray on a naked flame or any incandescent material.
	ignition sources away - Do not smoke.
	ct against electrostatic charges.
	respiratory protective device available.
	urized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. elect . Do not pierce or burn, even after use.
0	
· Stora	
	irements to be met by storerooms and receptacles: in a cool location.
	ve official regulations on storing packagings with pressurized containers.
	mation about storage in one common storage facility: Not required.
· Furtl	er information about storage conditions:
	receptacle tightly sealed.
	ot gas tight seal receptacle.
<i></i>	· · · · · · · · · · · · · · · · · · ·
	in cool, dry conditions in well sealed receptacles.
	in cool, dry conditions in well sealed receptacles. ct from heat and direct sunlight.
Prote	
Prote S/ E xp	ct from heat and direct sunlight.
Prote 8 Exp · Addit	ct from heat and direct sunlight.
Prote 8 Exp · Addit · Com	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7.
Prote 8 Exp - Addit - Com 108-0	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace:
Prote 8 Exp - Addit - Com 108-0	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 18-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm
Prote SIExp · Addii · Comj 108-0 PEL	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 18-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift
Prote SIExp · Addii · Comj 108-0 PEL	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 18-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm
Prote SIDxpp · Addit · Comj 108-0 PEL REL	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. monents with limit values that require monitoring at the workplace: R8-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
Prote SIExp · Addit · Comp 108-0 PEL REL TLV	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: R8-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm 75 mg/m³, 20 ppm
Prote SIESID · Addit · Comj 108-0 PEL REL TLV 67-6	ct from heat and direct sunlight. osttre controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 88-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm 75 mg/m³, 20 ppm t-1 acetone
Prote SIExp · Addit · Com 108-0 PEL REL TLV 67-6 PEL	ct from heat and direct sunlight. osttre controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 88-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm 75 mg/m³, 20 ppm 1-1 acetone 2400 mg/m³, 1000 ppm
Prote SIExp · Addit · Com 108-0 PEL REL TLV 67-60 PEL REL	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 18-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm 75 mg/m³, 20 ppm 1-1 acetone 2400 mg/m³, 1000 ppm 590 mg/m³, 250 ppm
Prote SIExp · Addit · Com 108-0 PEL REL TLV 67-60 PEL REL	ct from heat and direct sunlight. Disturce controls and personal protection bional information about design of technical systems: No further data; see item 7. Distribution of technical systems: No further data; see item 7.
Prote SIExp · Addit · Com 108-0 PEL REL TLV 67-60 PEL REL	ct from heat and direct sunlight. osure controls and personal protection tional information about design of technical systems: No further data; see item 7. ponents with limit values that require monitoring at the workplace: 88-3 toluene Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm 75 mg/m³, 20 ppm 1-1 acetone 2400 mg/m³, 1000 ppm 590 mg/m³, 250 ppm

Long-term value: 710 mg/m³, 150 ppm TLV Short-term value: 950 mg/m³, 200 ppm

Long-term value: 713 mg/m³, 150 ppm

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

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· 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. 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 trough 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

Form:	Aerosol	
Color:	According to product specification	
Odor:	Characteristic	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	< -17°C (< 1°F)	
Flash point:	< -17°C (< 1°F)	
Ignition temperature:	370°C (698°F)	
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:	1.2 Vol %	
Upper:	13.0 Vol %	
Vapor pressure at 20°C (68°	P F): 233 hPa (175 mm Hg)	
Density at 20°C (68°F):	0.71 g/cm ³	
Solubility in / Miscibility wi	(h	
Water:	Not miscible or difficult to mix.	
Solvent content:		
Organic solvents:	96.5 %	
VOC content:	82.3 %	
	591.4 g/l / 4.94 lb/gl	
Solids content:	3.5 %	

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 i	relevant for	classification:
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108-88-3 toluene

OralLD505000 mg/kg (rat)DermalLD5012124 mg/kg (rabbit)InhalativeLC50/4 h5320 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: Harmful

Irritant

12 Ecological information

· General notes:

- Water hazard class 2 (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.

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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.

DOT regulations:		
Hazard class:	2.1	
Identification number:	UN1950	
Packing group:	-	
	Il name): AEROSOLS, flammable	
Label	2.1	
Land transport TDG (Canada)	and ADR/RID (Europe):	
· Hazard class: · UN-Number:	2 5F Gases 1950	
	1950	
· Packaging group: · Label:	2.1	
Description of goods:	2.1 1950 AEROSOLS	
	1700 ///////////////////////////////////	
• Maritime transport IMDG:		
· IMDG Class:	2.1	
· UN Number:	1950	
· Label	2.1	
· Packaging group:	-	
· EMS Number:	F-D,S-U	
• Marine pollutant:	No AEROSOLS	
Propper shipping name:		

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Air transport ICAO-TI and IAT	4-DGR:	
ICAO/IATA Class:	2.1	
· UN/ID Number:	1950	
- · · · · · · ·	2.1	
· Label		
· Label · Packaging group:	-	

15 Regulations · Sara · Section 355 (extremely hazardous substances): None of the ingredient is listed. · Section 313 (Specific toxic chemical listings): 108-88-3 toluene 78-93-3 butanone · TSCA (Toxic Substances Control Act): 68476-86-8 Petroleum gases, liquefied, sweetened 64742-89-8 Solvent naphtha (petroleum), light aliph. 108-88-3 toluene 67-64-1 acetone 123-86-4 n-butyl acetate 78-93-3 butanone Proposition 65 · Chemicals known to cause cancer: None of the ingredients is listed. 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:

108-88-3 toluene
Cancerogenity categories

· EPA (Environmental Protection Agency)

108-88-3 toluene

78-93-3 butanone

67-64-1 acetone

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IARC (International Agency for Research on Cancer)	
108-88-3 toluene	
NTP (National Toxicology Program)	
None of the ingredients is listed.	
TLV (Threshold Limit Value established by ACGIH)	
108-88-3 toluene	A
67-64-1 acetone	A
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	
• Product related hazard informations: The product has been classified and marked in accordance with directives on hazardous	materials.
• Hazard symbols: Harmful Extremely flammable	
Hazard-determining components of labelling: toluene Solvent naphtha (petroleum), light aliph.	
• Risk phrases: Extremely flammable. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Danger of serious damage to health by prolonged exposure. Possible risk of harm to the unborn child.	
• 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 man Do not empty into drains, dispose of this material and its container at hazardous of 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 exclights. Do not pierce or burn, even after use. 96.5 % by mass of the contents are flammable Keep out of the reach of children. 	ceeding 50°C, i.e. elect

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

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 Abbreviations and acronyms: 	
ADR: Accord européen sur le transport des marci Carriage of Dangerous Goods by Road)	handises Dangereuses par Route (European Agreement concerning the International
	sport des merchandises dangereuses par chemin de fer (Regulations Concerning the
International Transport of Dangerous Goods by Rail	
IMDG: International Maritime Code for Dangerous	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
IATA-DGR: Dangerous Goods Regulations by the "In	sternational Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization	
ICAO-TI: Technical Instructions by the "International	I Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification	
ACGIH: American Conference of Governmental Indu	istrial Hygienists
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (U	ISA)
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
	USA -