

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.07.2011

Version-No: 1

Revision: 20.07.2011

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

- **Product identifier**
- **Trade name:** SPC-3 Primer
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** *Adhesives*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*ADCO Products, Inc.
 4401 Page Ave., P.O. Box 457
 Michigan Center, MI 49254
 United States
 Phone: 1-517-764-0334*
- **Further information obtainable from:**
*Only Representative (§8 REACH)
 Chemservice GmbH
 Von-Steuben-Straße 13
 D-67549 Worms, Germany
 Tel.: +49 6241-95480-0
 Fax: +49 6241-95480-25
 Email: sds@chemservice-group.com*
- **Emergency telephone number:**
*Phone: CHEMTREC 1-800-424-9300 (US)
 Emergency CHEMTREC International 1-703-527-3887*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

<i>Flam. Liq. 2</i>	<i>H225</i>	<i>Highly flammable liquid and vapour.</i>
<i>Repr. 2</i>	<i>H361d</i>	<i>Suspected of damaging the unborn child.</i>
<i>STOT RE 2</i>	<i>H373</i>	<i>May cause damage to organs through prolonged or repeated exposure.</i>
<i>Asp. Tox. 1</i>	<i>H304</i>	<i>May be fatal if swallowed and enters airways.</i>
<i>Aquatic Chronic 2</i>	<i>H411</i>	<i>Toxic to aquatic life with long lasting effects.</i>
<i>Skin Irrit. 2</i>	<i>H315</i>	<i>Causes skin irritation.</i>
<i>STOT SE 3</i>	<i>H336</i>	<i>May cause drowsiness or dizziness.</i>
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

<i>Xn; Harmful</i>	<i>R48/20-63-65: Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed.</i>
<i>Xi; Irritant</i>	<i>R38: Irritating to skin.</i>
<i>F; Highly flammable</i>	<i>R11: Highly flammable.</i>
<i>N; Dangerous for the environment</i>	<i>R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</i>
<i>R67:</i>	<i>Vapours may cause drowsiness and dizziness.</i>
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements
Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms


GHS02 GHS07 GHS08 GHS09

Signal word *Danger*
Hazard-determining components of labelling:

toluene

Solvent naphtha (petroleum), light aliph.

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361d Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment

PBT: Not determined

vPvB: Not determined

3 Composition/information on ingredients

Chemical characterization: Mixtures
Dangerous components:

CAS: 64742-89-8 EINECS: 265-192-2 Index number: 649-267-00-0	Solvent naphtha (petroleum), light aliph. ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R51/53 R67 ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	40-60%
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CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	toluene ☒ Xn R48/20-63-65; ☒ Xi R38; ☒ F R11 R67 Repr. Cat. 3 ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	20-40%
CAS: 140-66-9 EINECS: 205-426-2 Index number: 604-075-00-6	4-(1,1,3,3-tetramethylbutyl)phenol ☒ Xi R38-41; ☒ N R50/53 ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315	< 0.25%

Additional information:

For the wording of the listed risk phrases refer to section 16.

CAS: 64742-89-8 - Solvent naphta (petroleum), light aliph.

Nota H: The classification and labelling shown for this substance applies to the hazardous property(ies) indicated by the hazard statement(s) in combination with the hazard class(es) and category(ies) shown. The requirements of Article 4 for manufacturers, importers or downstream users of this substance apply to all other hazard classes and categories. For hazard classes where the route of exposure or the nature of the effects leads to a differentiation of the classification of the hazard class, the manufacturer, importer or downstream user is required to consider the routes of exposure or the nature of the effects not already considered.

The final label shall follow the requirements of Article 17 and of section 1.2 of Annex I.

Nota P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is classified as a carcinogen or mutagen.

4 First aid measures

Description of first aid measures
General information:

Take affected persons out of danger area and lay down.

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

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.

Rinse out mouth and then drink plenty of water.

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.

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5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, sand, extinguishing powder. Do not use water.
Foam
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:**
Water with full jet
Water
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide
Aldehydes
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective clothing.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Pick up mechanically.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.
- **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**
Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
- **Information about fire and explosion protection:**
Protect against electrostatic charges.
Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

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- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in dry conditions.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

108-88-3 toluene

WEL	Short-term value: 384 mg/m ³ , 100 ppm
	Long-term value: 191 mg/m ³ , 50 ppm
	Sk

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

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

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

- **Material of gloves** Nitrile rubber, NBR

- **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

- **Body protection:** Impervious protective clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Liquid

Colour: Clear

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· Odour:	Solvent-like
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	85°C
· Flash point:	-6°C (Estimate)
· Flammability (solid, gaseous):	Flammable.
· Ignition temperature:	232°C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.0 Vol %
· Vapour pressure at 20°C:	50.6625 hPa
· Density at 20°C:	0.75 - 0.81 g/cm ³
· Relative density	Not determined.
· Solubility in / Miscibility with water:	Insoluble.
· Segregation coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20°C:	1 mm ² /s
· Solvent content:	
Organic solvents:	85.0 %
Solids content:	15.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability** No decomposition if used and stored according to specifications.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with strong oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values relevant for classification:

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

Oral	LD50	> 5000 mg/kg (Rat)
Dermal	LD50	> 2000 mg/kg (Rabbit)

108-88-3 toluene

Oral	LD50	> 5000 mg/kg (Rat)
Dermal	LD50	> 5000 mg/kg (Rabbit)
Inhalative	LC50 (4h)	> 20 mg/L (Rat)

140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol

Oral	LD50	4040 mg/kg (Rat)
Dermal	LD50	> 2000 mg/kg (Rabbit)

- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- Toxicity

· Aquatic toxicity:

108-88-3 toluene

EC50 (3h)	134 mg/L (Bacteria)
LC50 (48h)	3.78 mg/L (Invertebrates)
LC50 (96h)	5.5 mg/L (Fish)

140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol

EC50 (96h)	1.9 mg/L (Bacteria)
LC50 (96h)	0.26 mg/L (Fish)
	0.019 mg/L (Invertebrates)

- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: Toxic for aquatic organisms
- Results of PBT and vPvB assessment
- PBT: Not determined
- vPvB: Not determined
- Other adverse effects No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|---|
| · UN-Number | |
| · ADR, IMDG, IATA | UN1133 |
| · UN proper shipping name | |
| · ADR | 1133 ADHESIVES |
| · IMDG, IATA | ADHESIVES |
| · Transport hazard class(es) | |
| · ADR | |
| |   |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| <hr style="border-top: 1px dashed #000;"/> | |
| · IMDG | |
| |   |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| <hr style="border-top: 1px dashed #000;"/> | |
| · IATA | |
| |  |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · Packing group | |
| · ADR, IMDG, IATA | II |
| · Environmental hazards: | |
| · Marine pollutant: | Yes |
| | Symbol (fish and tree) |
| · Special marking (ADR): | Symbol (fish and tree) |
| · Special precautions for user | Warning: Flammable liquids. |
| · Danger code (Kemler): | 33 |

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- | | |
|---|---|
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | No further relevant information available. |
| · Transport/Additional information: | |
| · ADR | |
| · Tunnel restriction code | E |
| · UN "Model Regulation": | UN1133, ADHESIVES, ENVIRONMENTALLY HAZARDOUS, 3, II |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Precautionary statements**
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Use personal protective equipment as required.
 Ground/bond container and receiving equipment.
 Keep container tightly closed.
 Use only non-sparking tools.
 Avoid release to the environment.
 Take precautionary measures against static discharge.
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
- **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.

- **Relevant phrases**
 H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.
 H361d Suspected of damaging the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
- **R11** Highly flammable.
- **R38** Irritating to skin.
- **R41** Risk of serious damage to eyes.
- **R48/20** Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 Possible risk of harm to the unborn child.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

· **Department issuing SDS:**

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D-67549 Worms

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· **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

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent