

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS

Printing date 05.03.2013





Revision: 05.03.2013

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

- **1.1 Product identifier**
- **Trade name: RockSolid Industrial Floors Driveway Tint Shot**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Asphalt repair
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
ROCKSOLID FLOORS INDUSTRIAL  
2271 2nd St N  
North St Paul, MN 55109 Phone:  
866-765-4310 Fax: 763-780-4896
- **1.4 Emergency telephone number:**  
CHEMTREC  
1-800-424-9300 (US/Canada)  
+01 703-527-3887 (International)



## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.
- |   |             |                              |
|---|-------------|------------------------------|
|  | GHS02 flame |                              |
| Flam. Liq. 3  | H226        | Flammable liquid and vapour. |
- |   |                     |   |
|---|---------------------|---|
|  | GHS08 health hazard |   |
| Carc. 2   | H351                | Suspected of causing cancer.                  |
| Asp. Tox. 1   | H304                | May be fatal if swallowed and enters airways. |
- |   |       |                                |
|---|-------|--------------------------------|
|  | GHS07 |                                |
| Acute Tox. 4  | H302  | Harmful if swallowed.          |
| Skin Irrit. 2   | H315  | Causes skin irritation.        |
| Eye Irrit. 2  | H319  | Causes serious eye irritation. |
- |  |  |   |
|--|--|---|
|  |  | Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects. |
|--|--|---|
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
- |   |             |   |
|---|-------------|---|
|  | Xn; Harmful |   |
| R21/22-40-65:   |             | Harmful in contact with skin and if swallowed. Limited evidence of a carcinogenic effect.<br>Harmful: may cause lung damage if swallowed. |

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 Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

R10-66: Flammable. Repeated exposure may cause skin dryness or cracking.

· **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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

· **Classification system:**

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

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

· **2.2 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

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Carbon black

Stoddard solvent

· **Hazard statements**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P240 Ground/bond container and receiving equipment.

P233 Keep container tightly closed.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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- P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 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.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P331 Do NOT induce vomiting.  
 P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.  
 P405 Store locked up.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:** N/A

- **Hazard description:**

- **WHMIS-symbols:**

B3 - Combustible liquid

D1B - Toxic material causing immediate and serious toxic effects

D2B - Toxic material causing other toxic effects



- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 2

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = \*2

Fire = 2

Reactivity = 0

\* - Indicates a long term health hazard from repeated or prolonged exposures.

- **HMIS Long Term Health Hazard Substances**

None of the ingredients is listed.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **3.2 Mixtures**

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

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**Dangerous components:**

CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate R10 Flam. Liq. 3, H226	25-50%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black Xn R21-40 Carc. Cat. 3 Carc. 2, H351 Acute Tox. 4, H312	10-25%
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent Xn R65 Carc. Cat. 2, Muta. Cat. 2 Flam. Liq. 3, H226 Asp. Tox. 1, H304	10-25%
CAS: 39464-64-7	POLYOXYETHYLENEDINONYLPHENYLEETHERPHOSPHATE Xn R22; Xi R36/37/38 R52-67 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335-H336	2,5-10%
CAS: 68891-21-4	Ethoxylated dinonyl phenol Xn R22; Xi R36/38	2,5-10%
CAS: 6425-39-4	Morpholine 4,4-(oxydi-2) Xi R36 Eye Irrit. 2, H319	≤ 2,5%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

### 4.1 Description of 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:** In case of unconsciousness place patient stably in side position for transportation.

#### After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

Call for a doctor immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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- **Hazards**

- Danger of pulmonary oedema.

- Danger of impaired breathing.

- **4.3 Indication of any immediate medical attention and special treatment needed**

- If swallowed or in case of vomiting, danger of entering the lungs.

## 5 Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:**

- Wear self-contained respiratory protective device.

- Wear fully protective suit.

## 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

- Use respiratory protective device against the effects of fumes/dust/aerosol.

- Wear protective equipment. Keep unprotected persons away.

- Ensure adequate ventilation

- Keep away from ignition sources.

- Protect from heat.

- **6.2 Environmental precautions:**

- 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.

- **6.3 Methods and material for containment and cleaning up:**

- 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

- **6.4 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

- **7.1 Precautions for safe handling**

- Ensure good ventilation/exhaustion at the workplace.

- Prevent formation of aerosols.

- **Information about fire - and explosion protection:**

- Keep ignition sources away - Do not smoke.

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- Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
  - **Requirements to be met by storerooms and receptacles:**  
Provide ventilation for receptacles.  
Avoid storage near extreme heat, ignition sources or open flame.
  - **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
  - **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Keep container tightly sealed.
  - **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

### Ingredients with limit values that require monitoring at the workplace:

#### 108-65-6 2-methoxy-1-methylethyl acetate

IOELV (EU)	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm Long-term value: 275 mg/m <sup>3</sup> , 50 ppm Skin
------------	--

WEEL (USA)	50 ppm
------------	--------

EL (Canada)	Short-term value: 75 ppm Long-term value: 50 ppm
-------------	---

EV (Canada)	270 mg/m <sup>3</sup> , 50 ppm
-------------	--------------------------------

#### 1333-86-4 Carbon black

PEL (USA)	3,5 mg/m <sup>3</sup>
-----------	-----------------------

REL (USA)	3,5* mg/m <sup>3</sup> *0,1 in presence of PAHs; See Pocket Guide Apps.A+C
-----------	---

TLV (USA)	3* mg/m <sup>3</sup> *inhalable fraction
-----------	---

EL (Canada)	3 mg/m <sup>3</sup> IARC 2B
-------------	--------------------------------

EV (Canada)	3,5 mg/m <sup>3</sup>
-------------	-----------------------

#### 8052-41-3 Stoddard solvent

PEL (USA)	2900 mg/m <sup>3</sup> , 500 ppm
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REL (USA)	Short-term value: C 1800* mg/m <sup>3</sup> Long-term value: 350 mg/m <sup>3</sup> *15-min
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TLV (USA)	525 mg/m <sup>3</sup> , 100 ppm
EL (Canada)	Short-term value: 580 mg/m <sup>3</sup> Long-term value: 290 mg/m <sup>3</sup>
EV (Canada)	525 mg/m <sup>3</sup>

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **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.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

· **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.  
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.

· **Eye protection:**

Contact lenses should not be worn.



Safety glasses

· **Limitation and supervision of exposure into the environment**

No further relevant information available.

· **Risk management measures**

See Section 7 for additional information.

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No further relevant information available.

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## 9 Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

· Form:	Liquid
· Colour:	Black
· Odour:	Ester-like
· Odour threshold:	Not determined.

· pH-value: Not determined.

#### · Change in condition

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

· Flash point: 44 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 230 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not self-igniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

#### · Explosion limits:

· Lower:	1,1 Vol %
· Upper:	10,8 Vol %

· Vapour pressure at 20 °C: 3,4 hPa

· Density at 20 °C: 0,9 g/cm<sup>3</sup>

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

#### · Solubility in / Miscibility with

· water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

#### · Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

#### · Solvent content:

· Organic solvents: 49,0 %

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<b>Solids content:</b>	20,0 %
<b>· 9.2 Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with strong oxidizing agents.  
Flammable.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- **10.4 Conditions to avoid**  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Organic phosphorus compounds  
Hydrocarbons  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

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

<b>1333-86-4 Carbon black</b>		
Oral	LD50	10000 mg/kg (rat)

- **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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant
- **Repeated dose toxicity:** May cause damage to organs through prolonged or repeated exposure .

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## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
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

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>                                | UN1992  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>DOT, IMDG, IATA</b></li> <li>· <b>ADR</b></li> </ul> | FLAMMABLE LIQUID, TOXIC, N.O.S. (2-methoxy-1-methylethyl acetate, Carbon black)<br>1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (2-methoxy-1-methylethyl acetate, Carbon black)   |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> </ul>  | Reclassified as combustible under US DOT regulation 49CFR173.150(f) For shipments by ground only. No labeling required for single packages under 119 US gal / 450 L. Shipments by air or vessel use IATA or IMDG classifications as required. |

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## · DOT



· Class 3 Flammable liquids.  
· Label 3+6.1

## · ADR



· Class 3 (FT1) Flammable liquids.  
· Label 3+6.1

## · IMDG, IATA



· Class 3 Flammable liquids.  
· Label 3+6.1

· 14.4 Packing group  
· DOT, ADR, IMDG, IATA

III

## · 14.5 Environmental hazards:

· Marine pollutant: No

## · 14.6 Special precautions for user

Warning: Flammable liquids.

· Danger code (Kemler):

36

· EMS Number:

F-E,S-D

· 14.7 Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code

Not applicable.

## · Transport/Additional information:

## · ADR

· Limited quantities (LQ) 5L  
· Transport category 3  
· Tunnel restriction code D/E

· UN "Model Regulation":

UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (2-methoxy-1-methylethyl acetate, Carbon black), 3 (6.1), III

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## 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65 (California):**

- **Chemicals known to cause cancer:**

Warning: This product may contain the following substance, known to the state of California to cause cancer.

1333-86-4 | Carbon black

- **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.

- **Carcinogenic Categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

1333-86-4 | Carbon black

2B

- **TLV (Threshold Limit Value established by ACGIH)**

1333-86-4 | Carbon black

A4

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4 | Carbon black

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Canada**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

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· **Canadian Ingredient Disclosure list (limit 1%)**

1333-86-4	Carbon black
8052-41-3	Stoddard solvent

· **15.2 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**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
.....	
R10	Flammable.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R40	Limited evidence of a carcinogenic effect.
R52	Harmful to aquatic organisms.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

· **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)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 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)  
 WHMIS: Workplace Hazardous Materials Information System (Canada)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

· **Sources**

SDS Prepared by:  
 ChemTel Inc.  
 1305 North Florida Avenue  
 Tampa, Florida USA 33602-2902  
 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573  
 Website: www.chemtelinc.com