



The bonding power

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Version 3-13683

Date: 21 January 2017

1. IDENTIFICATION OF THE MATERIALS AND SUPPLIER

1.1. Product identifier

Product name: STRONG AS NAILS FLOORING

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Construction adhesive for flooring

1.3. Details of the supplier of the safety data sheet

Supplier: Moggens DK

Street address : Hammerholmen 44,
2650 København, Danmark

Telephone number: +4527245345

Email: info@staerk.co

Website: www.staerk.co

1.4. Emergency telephone number

+4527245345

2.HAZARDS IDENTIFICATIONS

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards: Flam. Liq. 2 - H225 Skin

Human health: Irrit. 2 - H315;STOT SE 3 - H336

Environment: Aquatic Chronic 3 - H412

Classification (1999/45/EEC): Xi;R38. F;R11. R52/53, R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word: Danger

Hazard Statements: H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements: P102 Keep out of reach of children. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P261 Avoid breathing vapours. P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container in accordance with local regulations

Supplementary Precautionary Statements: P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P273 Avoid release to the environment. P264 Wash contaminated skin thoroughly after handling. P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for

extinction. P302+352 IF ON SKIN: Wash with plenty of soap and water. P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P332+313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P403+233 Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Vapours are heavier than air and can travel long distances to a source of ignition Pilot lights can ignite the vapour.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| | | |
|-------------------------------|-----------------------------|---------------------------------------|
| ACETONE | | 5-10% |
| CAS-No.: 67-64-1 | EC No.: 200-662-2 | Registration Number: 01-2119471330-49 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) | |
| Flam. Liq. 2 - H225 | F;R11 | |
| EUH066 | Xi;R36 | |
| Eye Irrit. 2 - H319 | R66 | |
| STOT SE 3 - H336 | R67 | |

| | | |
|--|-----------------------------|-------|
| NAPHTHA (PETROLEUM), HYDRODESULFURIZED LIGHT, DEAROMATIZED;<0.1% BENZENE | | 5-10% |
| CAS-No.: 92045-53-9 | EC No.: 295-434-2 | |
| Classification (EC 1272/2008) | Classification (67/548/EEC) | |
| Flam. Liq. 2 - H225 | Xn;R65. | |
| Skin Irrit. 2 - H315 | Xi;R38. | |
| STOT SE 3 - H336 | F;R11. | |
| Asp. Tox. 1 - H304 | N;R51/53. | |
| Aquatic Chronic 2 - H411 | R67. | |

| | | |
|--|-----------------------------|------|
| NAPHTHA (PETROLEUM), HYDROTREATED LIGHT,<0.1% BENZENE, | | 1-5% |
| CAS-No.: 64742-49-0 | EC No.: | |
| Classification (EC 1272/2008) | Classification (67/548/EEC) | |
| Flam. Liq. 2 - H225 | Xn;R65. | |
| Skin Irrit. 2 - H315 | Xi;R38. | |
| STOT SE 3 - H336 | F;R11. | |
| Asp. Tox. 1 - H304 | N;R51/53. | |

Aquatic Chronic 2 - H411

R67.

N-HEXANE

< 1%

CAS-No.: 110-54-3

EC No.: 203-777-6

Classification (EC 1272/2008)

Classification (67/548/EEC)

Flam. Liq. 2 - H225

F;R11

Skin Irrit. 2 - H315

Repr. Cat. 3;R62

Repr. 2 - H361f

Xn;R65,R48/20

STOT SE 3 - H336

Xi;R38

STOT RE 2 - H373

R67

Asp. Tox. 1 - H304

N;R51/53

Aquatic Chronic 2 - H411

XYLENE

5-10%

CAS-No.: 1330-20-7

EC No.: 215-535-7

Registration Number: 01-2119488216-35

Classification (EC 1272/2008)

Classification (67/548/EEC)

Flam. Liq. 3 - H226

R10

Acute Tox. 4 - H312

Xn;R20/21

Acute Tox. 4 - H332

Xi;R38

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

STOT SE 3 - H335

STOT RE 2 - H373

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. Ingestion: DO NOT induce vomiting. Get medical attention immediately. Skin contact: Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

Eye contact: Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

No specific symptoms noted.

Eye contact

No specific symptoms noted.

4.3. Indication of any immediate medical attention and special treatment needed

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media Foam. Powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective equipment for fire-fighters Wear self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment. Wear self contained breathing apparatus. Avoid breathing vapour

6.2. Environmental precautions

Prevent entry into drains and water courses.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb onto sand, earth or absorbent granules. Pick up with non-sparking tools and place into metal containers with sealable lids. Mark containers with details of hazards and store in designated area ready for disposal. Runoff or release to sewer, waterway or ground is forbidden.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Provide good ventilation. Avoid spilling, skin and eye contact. Avoid acids, moisture, and combustible materials.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Isolate from other materials. Store in tightly closed original container in a dry, cool and well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.
Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|----------|-----|-------------|-------------------------------|----------------|-------------------------------|-------|
| | | | | | | |
| ACETONE | WEL | 500 ppm | 1210 mg/m ³ | 1500 ppm | 3620 mg/m ³ | |
| N-HEXANE | WEL | 20 ppm | 72 mg/m ³ | | | |
| XYLENE | WEL | 50 ppm(Sk) | 220 mg/m ³ (Sk) | 100 ppm(Sk) | 441 mg/m ³ (Sk) | |

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation. Explosion-proof general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level. Wear mask supplied with: Gas cartridge suitable for organic substances.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|------------------|----------------------|
| Appearance | Liquid |
| Odour | Characteristic. |
| Relative density | 1.18 |
| Flash point (°C) | -20 CC (Closed cup). |

9.2. Other information

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal temperature conditions.

10.3.Possibility of hazardous reactions

Not available.

Hazardous Polymerisation

Unknown.

10.4.Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

10.5.Incompatible materials

10.6.Hazardous decomposition products

Not known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Chronic effects on human:

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
Symptoms or effects that may arise if the product is mishandled

Ingestion:

Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

Eye contact:

Acetic acid vapors released during curing may cause eye irritation.

Skin contact:

Repeated or prolonged skin contact may lead to irritation.

Inhalation:

Acetic acid vapors released during curing may cause respiratory track irritation.

Carcinogenicity:

Not listed as a suspected or confirmed carcinogen by ACGIH, IARC, NTP, OSHA.

Mutagenicity: N/A

Reproductive toxicity: N/A

Teratogenicity: N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which may cause long term adverse effects in the aquatic environment.

12.1.Toxicity

No data available

12.2.Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3.Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4.Mobility in soil

No data available.

12.5.Results of PBT and vPvB assessment

No data available.

12.6.Other adverse effects

Not available.

13. DISPOSABLE CONSIDERATIONS

This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATIONS

14.1. UN number

UN No. (ADR/RID/ADN) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper Shipping Name ADHESIVES

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine

Pollutant No.

14.6. Special precautions for user

| | |
|-------------------------|----------|
| EMS | F-E, S-D |
| Emergency Action Code | •3YE |
| Hazard No. (ADR) | 33 |
| Tunnel Restriction Code | (D/E) |

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBCCode

15. REGULATORY INFORMATIONS

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments

15.2 Chemical Safety Assessments.

16. OTHER INFORMATIONS

General information

This product should be used as directed by Moggens DK Ltd. For further information consult the product data sheet or contact Technical Services.

Date of preparation:

15 January 2014.

SDS revisions:

Safety Data Sheets are updated at least every 5 years.

This SDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. MoggensDk cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

Key / legend:

Risk Phrases In Full

R10 - Flammable.

R20/21 - Harmful by inhalation and in contact with skin.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R65 - Harmful: may cause lung damage if swallowed.

R11 - Highly flammable.

R36 - Irritating to eyes.

R38 - Irritating to skin.

R62 - Possible risk of impaired fertility.

R66 - Repeated exposure may cause skin dryness or cracking.

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

R67 - Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

EUH066 - Repeated exposure may cause skin dryness or cracking.

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation

H336 - . May cause drowsiness or dizziness.

H361f - Suspected of damaging fertility.

H373 - May cause damage to organs <<Organs>> through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

H412 - Harmful to aquatic life with long lasting effects.