



Safety Data Sheet
 according to Regulation (EC)
 No. 453/2010

1. Identification of the Substance/Mixture and the Company/Undertaking

- | | | | | |
|------------|--|--|-------------------------|------------|
| 1.1 | Product Identifier | 58200 | Revision Date: | 18/06/2014 |
| | Product Name: | STONCHEM 403 LIGHT GRAY AMINE | Supersedes Date: | 18/06/2014 |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Component of multicomponent industrial coatings - Industrial use | | |
| 1.3 | Details of the supplier of the safety data sheet | | | |
| | Importer: | StonCor Europe 9 Rue du Travail, 1400 Nivelles, Belgium | | |
| | Manufacturer: | Stonhard, Division of StonCor Group, Inc. 1000 East Park Avenue Maple Shade, NJ 08052 +1 856 7797500 (US) Regulatory / Technical Information: +32 67493710 Nivelles, Belgium +39 02253751 Cologno Monzese, Italy | | |
| | Datasheet Produced by: | Darnell, Benjamin - ehs@stoncor.com | | |
| 1.4 | Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) | | |

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Dangerous Preparation Directive - EC Directive 1999/45/EC

Corrosive, Dangerous For The Environment

2.2 Label elements

Symbol(s) of Product



Named Chemicals On Label

4,4'-methylenebis[n-sec-butylaniline], diethylmethylbenzenediamine

EU RISK PHRASES

| | |
|--------|--|
| R34 | Causes burns. |
| R43 | May cause sensitization by skin contact. |
| R48/22 | Harmful: danger of serious damage to health by prolonged exposure if swallowed. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

EU SAFETY PHRASES

| | |
|-----------|---|
| S23 | Do not breathe solvent vapour/spray. |
| S24/25 | Avoid contact with skin and eyes. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| S46 | If swallowed, seek medical advice immediately and show this container or label. |
| S51 | Use only in well-ventilated areas. |
| S61 | Avoid release to the environment. Refer to special instructions/Safety data sheets. |

2.3 Other hazards

Not applicable

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

3. Composition/Information On Ingredients**3.2 Mixtures****Hazardous Ingredients**

| <u>CAS-No.</u> | <u>EINEC No.</u> | <u>Name According to EEC</u> | <u>%</u> | <u>EU Symbols</u> | <u>R-Phrases</u> |
|----------------|------------------|---------------------------------------|----------|-------------------|-----------------------|
| 9046-10-0 | 618-561-0 | polyoxypropylenediamine | 50-75 | C | R34 |
| 68479-98-1 | 270-877-4 | diethylmethylbenzenediamine | 10-25 | Xn, N | R21/22-36-48/22-50/53 |
| 5285-60-9 | 226-122-6 | 4,4'-methylenebis[n-sec-butylaniline] | 10-25 | N, Xi | R43-50/53 |
| 13463-67-7 | 236-675-5 | titanium dioxide | 2.5-10 | | |
| 64852-22-8 | 613-700-1 | glyceryl poly(oxypropylene) t | 2.5-10 | | |

| <u>CAS-No.</u> | <u>REACH Reg No.</u> | <u>CLP Symbols</u> | <u>CLP Hazard Statements</u> | <u>M-Factors</u> |
|----------------|----------------------|--------------------|------------------------------|------------------|
| 9046-10-0 | | GHS05-GHS09 | H314-318-411 | 0 |
| 68479-98-1 | | GHS07-GHS08-GHS09 | H302-312-319-373-400-410 | 0 |
| 5285-60-9 | | GHS07 | H302 | 0 |
| 13463-67-7 | | GHS07-GHS08 | H335-372-413 | 0 |
| 64852-22-8 | | GHS05-GHS07 | H302-312-314-318 | 0 |

Additional Information: The text for R-Phrases and CLP Hazard Statements shown above (if any) is given in Section 16.**4. First-aid Measures****4.1 Description of First Aid Measures****AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure.**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.**4.2 Most important symptoms and effects, both acute and delayed**

Causes severe burns. Harmful in contact with skin and if swallowed. Irritating to eyes and respiratory system.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

5. Fire-fighting Measures**5.1 Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. High volume water jet. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

6. Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

7. Handling and Storage**7.1 Precautions for safe handling**

INSTRUCTIONS FOR SAFE HANDLING: Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapours or spray mist.

PROTECTION AND HYGIENE MEASURES: Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat.

STORAGE CONDITIONS: Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)**8. Exposure Controls/Personal Protection****8.1 Control parameters**

**Ingredients with Occupational Exposure Limits
(UK WELS)**

| <u>Name</u> | <u>%</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> | <u>OEL Note</u> |
|---------------------------------------|----------|-----------------|-----------------|-------------------|-------------------|-----------------|
| polyoxypropylenediamine | | 50-75 | | | | |
| diethylmethylbenzenediamine | | 10-25 | | | | |
| 4,4'-methylenebis[n-sec-butylaniline] | | 10-25 | | | | |

| | | |
|-------------------------------|--------|---|
| titanium dioxide | 2.5-10 | 4 |
| glyceryl poly(oxypropylene) t | 2.5-10 | |

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. Respirator with filter for organic vapor.

EYE PROTECTION: Safety glasses

HAND PROTECTION: Rubber or plastic gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use. Rubber or plastic apron.

OTHER PROTECTIVE EQUIPMENT: No Information

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|---|---------------------------------|
| Appearance: | Gray |
| Physical State | LIQUID |
| Odor | Ammonical |
| Odor threshold | Not determined |
| pH | NON-AQUEOUS |
| Melting point / freezing point (°C) | Not determined |
| Boiling point/range (°C) | N.D. - N.D. |
| Flash Point, (°C) | 121 |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Upper/lower flammability or explosive limits | Not determined |
| Vapour Pressure, mmHg | LESS THAN 0.001 mmHG @ -- -- |
| Vapour density | HEAVIER THAN AIR |
| Relative density | Not determined |
| Solubility in / Miscibility with water | Slight |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | Not determined |
| Decomposition temperature (°C) | Not determined |
| Viscosity | 600 Cps |
| Explosive properties | Not determined |
| Oxidising properties | Not determined |

9.2 Other information

| | |
|---|-------|
| VOC Content g/l: | 52 |
| Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E. | |
| Specific Gravity (g/cm3) | 1.049 |

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation may occur.

10.4 Conditions to avoid

Direct sources of heat.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity:

Oral LD50:

Inhalation LC50:

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.

Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|------------------------------|-------------------------|--------------------|-------------------|
| 9046-10-0 | polyoxypropylenediamine | 2855 mg/kg, rat | 2980 mg/kg, rabbit | |
| 13463-67-7 | titanium dioxide | 10000 mg/m3, oral (rat) | | |

Additional Information:

This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

12. Ecological Information

12.1 Toxicity:

| | |
|----------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae): | No information |
| LC50 96hr (fish): | No information |

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

12.6 Other adverse effects: No information

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|---------------------------------------|------------------|------------------|------------------|
| 9046-10-0 | polyoxypropylenediamine | No information | No information | |
| 68479-98-1 | diethylmethylbenzenediamine | No information | No information | |
| 5285-60-9 | 4,4'-methylenebis[n-sec-butylaniline] | No information | No information | |
| 13463-67-7 | titanium dioxide | No information | No information | |
| 64852-22-8 | glyceryl poly(oxypropylene) t | No information | No information | |

Further Ecological Information

Contains the following ingredients which are classified as water dangerous according to EEC directive No. 76/464/EEC in percentages > 1%.

| <u>CAS-No.</u> | <u>Name According to EEC</u> |
|----------------|---------------------------------------|
| 68479-98-1 | diethylmethylbenzenediamine |
| 5285-60-9 | 4,4'-methylenebis[n-sec-butylaniline] |

13. Disposal Considerations

13.1 **WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 080111

14. Transport Information

| | | |
|------|--|------------------------------------|
| 14.1 | UN number | UN2735 |
| 14.2 | UN proper shipping name | AMINES, LIQUID CORROSIVE, N.O.S. |
| | Technical name | (CONTAINS POLYOXYPROPYLENEDIAMINE) |
| 14.3 | Transport hazard class(es) | 8 |
| | Subsidiary shipping hazard | |
| 14.4 | Packing group | III |
| 14.5 | Environmental hazards | |
| 14.6 | Special precautions for user | Not applicable |
| | EmS-No.: | F-A, S-B |
| 14.7 | Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not applicable |

15. Regulatory Information

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

National Regulations:

Denmark Product Registration Number:

Danish MAL Code:

Sweden Product Registration Number:

Norway Product Registration Number:

WGK Class:

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

Symbol(s) of Product



Signal Word

Danger

HAZARD STATEMENTS

| | | |
|---|------|--|
| Acute Toxicity, Oral, category 4 | H302 | Harmful if swallowed. |
| Hazardous to the aquatic environment, Chronic, category 2 | H411 | Toxic to aquatic life with long lasting effects. |
| Serious Eye Damage, category 1 | H318 | Causes serious eye damage. |
| | H373 | |

STOT, repeated exposure, category 2

May cause damage to organs through prolonged or repeated exposure.

Skin Corrosion, category 1

H314-1

Causes severe skin burns and eye damage.

PRECAUTION PHRASES

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P264

Wash hands thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P273

Avoid release to the environment.

P280

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

P301+310

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

P303+361+353

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

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P314

Get medical advice/attention if you feel unwell.

P391

Collect spillage.

Text for Risk Phrases shown in Section 3 describing each ingredient:

R21/22

Harmful in contact with skin and if swallowed.

R34

Causes burns.

R36

Irritating to eyes.

R43

May cause sensitization by skin contact.

R48/22

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H302

Harmful if swallowed.

H312

Harmful in contact with skin.

H314

Causes severe skin burns and eye damage.

H318

Causes serious eye damage.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

H372

Causes damage to organs through prolonged or repeated exposure.

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.

H413

May cause long lasting harmful effects to aquatic life.

Reasons for revision

No Information

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark
 ESIS (The European Chemical Substances Information System), provided by the European Commission
 Joint Research Centre in Ispra, Italy
 Annex VI of the EU Council Directive 67/548/EEC
 Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of
 substances and mixtures (CLP Regulation)

EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

Acronym & Abbreviation Key:

| | |
|-------------------|---|
| CLP | Classification, Labeling & Packaging Regulation |
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m ³ | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC | International Bulk Container |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.