This safety data sheet has been supplied in accordance with the requirements of Article 31 of Regulation EC No 1907/2006 (the REACH regulation) and the information contained herein is displayed in the order prescribed in Annex II to that regulation, as amended 2010.

Its purpose is to facilitate the carrying out of a risk assessment. Employers are reminded of their duty to carry out such an assessment and subsequently to provide an appropriate working environment, to make available to those who are required to use this product all necessary personal protective equipment and to ensure that such equipment is used.

Date of Issue: 8th May 2015
Version No: 02
Replaces version No. 01 dated 13th September 2013
Page 1 of 8

SECTION 1. IDENTIFICATION OF THE MIXTURE AND THE COMPANY.

1.1 Product Identifiers.
Trade Name: DeCal 1203A

1.2 Identified uses and uses advised against.

1.2.1 Identified Uses: As a thickening agent for water-borne coating systems.

1.2.2 Uses advised against: None of the substances contained in this product is subject to authorisation or restriction. The supplier does however advise against uses other than those identified above.

1.3 Details of supplier.
Supplier: Devine Chemicals Ltd., Prospect Business Park, Leadgate, Consett, Co. Durham, DH8 7PW.
Phone: 01207-580101
Fax: 01207-580096
Email: jim@devinechemicals.co.uk

1.4 Emergency telephone number: 07810-810608 from 0800 to 2000 hours every day.

2. HAZARDS IDENTIFICATION.

2.1 Classification in accordance with Regulation (EC) 1272/2008 (CLP).

Eye Irrit 2: H319
Skin Irrit 2: H315

Potential health hazards.
Overexposure to this product may cause irritation of the skin and serious irritation of the eyes.
Inhalation of mists or sprays may cause irritation of the respiratory system.

Other potential hazards.
Areas covered by spilled product will be slippery.
2. HAZARDS IDENTIFICATION.

2.2 Label Elements.

Contains an acrylic copolymer and light mineral oil

Warning.

H319: Causes serious eye irritation.
H315: Causes skin irritation.

P280: Wear protective gloves, clothing, eye protection and face protection.
P261: Avoid breathing mist or spray.
P305+P351+P338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical attention.
P302+P352 If on skin, wash with plenty of soap and water.
P332+P313 If skin irritation occurs get medical attention.

See note 2 in Section 16.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

This product is a dispersion of an acrylic copolymer in a light mineral oil. It has been classified as an irritant by analogy to a similar product which has been determined as such by OECD guidelines. It is not an irritant as defined by the “conventional method” of 88/379/EEC. The total quantity of irritant substances in the product is less than 20%.

4. FIRST AID MEASURES

4.1 Description of first aid measures.

General Information: No action shall be taken which involves any personal risk or without suitable training. If it is suspected that vapour is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. In all cases of doubt or where symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Inhalation of mists or spray may cause irritation of the respiratory system. Remove an affected person to fresh air and allow to rest and keep warm. If symptoms persist obtain medical attention.

Ingestion: This product does not present any acute toxicity. In the event of ingestion DO NOT INDUCE VOMITING. Wash out mouth with water. Allow to rest and keep warm. Obtain medical attention immediately.

Skin Contact: Prolonged or repeated contact may cause slight irritation. Immediately flush the affected area with water. Wash with soap and water. DO NOT WASH WITH SOLVENTS OR THINNERS. Remove grossly contaminated clothing, including footwear, and launder/clean thoroughly before re-use. If symptoms persist obtain medical attention.

Eye Contact: May cause serious irritation. Quickly but gently blot or wipe chemical from the face. Check for and remove any contact lenses. Immediately flush eye(s) with lukewarm gently flowing water for 5 minutes while holding the eyelid(s) open. If feeling of irritation persists obtain medical attention.
4. FIRST AID MEASURES (continued)
4.2 Most important symptoms and effects, both acute and delayed.
Acute: Single exposure to vapours or mist is not likely to be hazardous. Contact with eyes may cause serious irritation. Prolonged or repeated contact with skin may cause mild irritation in some individuals. Not expected to cause significant immediate hazard if spilled.
Delayed effects: None known.

4.3 Indication of any immediate attention ands special treatment needed.
Note to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES.
Extinguishing media: Suitable Foam, dry chemical powder.
Suitable Water jet.
Unsuitable None.

6. ACCIDENTAL RELEASE/SPILLAGE MEASURES.
6.1 Personal Precautions Following Spill.
6.1.1 Non-emergency personnel: Wear recommended personal protective equipment and avoid all forms of contact.
6.1.2 Emergency responders: Evacuate all non-essential personnel from the vicinity of the spill. Remove all sources of ignition. If indoors ventilate the affected area. Mark out the affected area with signs and prevent unauthorised personnel from approaching the scene. If safe to do so turn leaking packages leak-side up in order to minimise leakage. Do not touch the spilled material.
6.2 Precautions to Protect Environment: Use non-combustible absorbent material such as sand or vermiculite type clay as a dam to prevent spilled material entering drains and watercourses. If spilled material enters drains or watercourses inform the emergency services and the local water authority.
6.3 Spill Clean-up Methods.
6.3.1 Containment: Contain the spillage by use of the absorbent material referred to in Section 6.2.
6.3.2 Clean up: Using the same material that was used to contain the spillage absorb all of the spilled material. Transfer the contaminated absorbent material to clearly marked, sealed containers. Retain for disposal as recommended in Section 13. Scrub the affected area with detergent and water. If possible, collect wash water for disposal as recommended in Section 13. If not possible to collect wash water, flush washings to drain with copious amounts of water.
6.3.3 Any other information: None
6.4 Reference to other sections: See Section 8 for information on selecting personal protective equipment and Section 13 for details of recommended disposal methods.

7. HANDLING AND STORAGE
7.1 Precautions for safe handling.
7.1.1 Safe handling techniques: DO NOT EAT, DRINK OR SMOKE while using this product. Handle only in a manner that minimises the risk of damage to packages and of spillage. Use with adequate ventilation. Avoid contact with eyes, skin and clothing.
7. HANDLING AND STORAGE (continued)

7.1 Precautions for safe handling.
7.1.2 Occupational Hygiene: Wash hands thoroughly after working with this substance. Contaminated clothing, including footwear, must be thoroughly laundered/cleaned before re-use.

7.2 Safe Storage: Store only in sealed, clearly marked packages away from strong oxidising agents in an area which is dry, well ventilated and not subject to extremes of temperature, especially frost and freezing conditions.

7.3 Specific end-uses: None requiring special note.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

8.1 Control parameters.

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>WEL</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil mist</td>
<td>5mg/m³</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

The other ingredients of this product have not been assigned workplace exposure limits.

8.2 Exposure controls.
8.2.1 Appropriate engineering controls: Good general ventilation ought to be adequate but may need to be supplemented by local exhaust ventilation if use within a confined space is necessary.
8.2.2 Personal protection.
8.2.2.1 Eye/face protection: Suitable chemical-resistant safety goggles should be worn. Consult a supplier of such equipment to identify the most appropriate type. Ensure that an eye-bath is available at the points of use.
8.2.2.2 Hand protection: Chemical resistant gloves of type EN 374 should be worn. Always abide by the instructions and information provided by the glove supplier on use, storage, maintenance and replacement.
Body protection: Use impervious overalls and boots. Consult a supplier of such equipment to identify the most appropriate type. Always abide by the instructions and information provided by the supplier on use, storage, maintenance and replacement.
8.2.2.3 Respiratory protection: Under intended and anticipated conditions of use respiratory protection will not be necessary. However, if the WEL shown above is likely to be exceeded as a result of for example working in high temperature conditions or if spraying is involved a half or full face mask with particle filter type P3 (European Standard EN143) should be used.
8.2.3 Environmental exposure controls: Store only in sealed packages and take all steps necessary to minimise the risk of this product entering drains or other water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES.

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Off-white liquid.</td>
</tr>
<tr>
<td>Odour:</td>
<td>Very slight acrylic.</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Melting point:</td>
<td>Not applicable. The product is a liquid.</td>
</tr>
<tr>
<td>Initial Boiling point:</td>
<td>&gt; 100°C.</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt;100°C.</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Similar to that of water.</td>
</tr>
<tr>
<td>Flammability:</td>
<td>The product does not burn or support combustion.</td>
</tr>
<tr>
<td>Upper/Lower flammability limits:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Relative density:</td>
<td>1.06 at 20°C</td>
</tr>
<tr>
<td>Solubilities:</td>
<td>Miscible with water.</td>
</tr>
</tbody>
</table>
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES.

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available.</td>
</tr>
<tr>
<td>Auto ignition temperature:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Approximately 1 centipoise at 20°C.</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>This product does not have explosive properties.</td>
</tr>
<tr>
<td>Oxidising properties:</td>
<td>This product does not have oxidising properties.</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: This product does not react easily with other chemicals and is not expected to do so in anticipated conditions of storage and use. It will however react with strong oxidising agents.

10.2 Chemical Stability: This product is stable under intended conditions of storage and use.

10.3 Possibility of Hazardous Reactions: The possibility of hazardous reactions is extremely low.

10.4 Conditions to avoid: Extremes of temperatures, especially frost and freezing.

10.5 Incompatible Materials: Strong oxidising agents

10.6 Hazardous decomposition products: None known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

a) Acute Toxicity Data: No product specific data available.

b) Skin corrosion/irritation: In-use experience has shown that prolonged or repeated exposure of skin tissue to this product can lead to very slight irritation.

c) Serious eye damage/irritation: In-use experience has shown that exposure of the eyes and related tissue to this product can lead to serious irritation.

d) Respiratory or skin sensitisation: This product does not contain any substances that meet the criteria laid down in EU legislation for classification as a respiratory or skin sensitiser.

e) Germ cell mutagenicity: This product does not contain any substances that meet the criteria laid down in EU legislation for classification as mutagenic.

f) Carcinogenicity: This product does not contain any substances that meet the criteria laid down in EU legislation for classification as carcinogenic.

g) Reproductive toxicity: This product does not contain any substances that meet the criteria laid down in EU legislation for classification as toxic to reproduction.

h) STOT single exposure: This product does not contain any substances that are known to target any specific organ on single exposure exposure.

i) STOT repeated exposure: This product does not contain any substances that are known to target any specific organ on repeated exposure.

j) Aspiration hazard: This product does not contain any substances that meet the criteria laid down in EU legislation for classification as an aspiration hazard.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: No product-specific data available.

12.2 Persistence and degradability: The main low volatility constituent of this product is only poorly biodegradable. This product will therefore persist for some time in the natural environment but is not considered to be very persistent.

12.3 Bioaccumulative potential: This product is not expected to bio-accumulate.
SECTION 12. ECOLOGICAL INFORMATION.

12.4 Mobility in soil
This product miscible with water and is therefore expected to exhibit a high degree of mobility within soil.

12.5 Results of PBT assessment
Assessment not carried out but this product is believed not to be a PBT nor a vPvB.

12.6 Other adverse effects
None known.

13. DISPOSAL CONSIDERATIONS.

Waste Disposal Method: Empty packages and waste from this product are subject to disposal in accordance with The Hazardous Waste (England and Wales) Regulations 2005 (SI 2005/894) or other national equivalent.

14. TRANSPORT INFORMATION.

This product does not meet the criteria for classification as dangerous for transport by road (ADR), rail (RID), inland waterway (ADN), sea (IMDG) or air (ICAO/IATA).

Sub-sections 14.1 to 14.7 do not apply.

However as with all chemical-based products it must, when being transported, be handled in a manner that minimises the risk of damage to and leakage from the packages.

15. REGULATORY INFORMATION.

15.1 Safety, health and environmental legislation specific for this product.

This product is subject to the provisions of:


and of individual Member State national legislation which invoke any or all of the following:


15.2 Chemical safety assessment.
No chemical safety assessment has been carried out.
SECTION 16. OTHER INFORMATION.

1. Additions and amendments to this SDS.
This SDS has been completely rewritten to take account of an amendment to the REACH regulation dated December 2010 (Regulation (EC) 453/2010) and subsequent revised guidance on the preparation of SDSs issued by the ECHA. All sections contain information which is either additional to or significantly different from that contained in the previous version.

2 Label elements.
Hazard statement and precautionary statement numbers are shown in Section 2.2 for identification purposes only. Under CLP inclusion of these numbers in the detail shown on labels is optional.

3. Evaluation Method of Information Used in Classification.
Analogy with “substantially similar mixtures” and calculation.

4. Text of hazard statements referred to, but not shown, elsewhere in this SDS.
Not applicable.

5. Abbreviations and acronyms.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterway
CAS: Chemical Abstracts Service (of the American Chemical Society)
EC50: The half maximal concentration which induces a response halfway between the baseline and maximum within the specified time.
EINECS: European Index of Existing Chemical Substances
ICAO/IATA: Regulations Concerning the Transport of Dangerous Goods by Air.
IMDG: Regulations Concerning the Transport of Dangerous Goods by Sea.

LD50: Lethal dose for 50% of test species.
PBT: Persistent, bioaccumulative, ecotoxic.
RID: European Agreement Concerning the International Carriage of Dangerous Goods by Rail.
STOT: Specific target organ toxicity.
vPvB: Very persistent and very bioaccumulative.
WEL: Workplace Exposure Limit.

6. Abbreviations and acronyms (continued).

7. Training advice.
All personnel who are required to work with this product must receive training covering the appropriate use and handling techniques and the use of the recommended personal protective equipment.

8. Further information.
6.1. Recommended restrictions on use (i.e. non-statutory recommendations by supplier).
This product should not be used for any purpose other than those mentioned in Section 1.2. As specific conditions of use of this product are beyond the control of the supplier, the user is responsible for adapting the information contained in this SDS to local regulations and circumstances.

8.2 This product does not contain any substance which:
is a persistent organic pollutant, as defined in EC regulation No. 850/2004,
is an ozone depletor, as defined in EC regulation No. 2037/2000,
is subject to the provisions of Regulation (EC) No. 689/2008 concerning the import and export of dangerous chemicals,
or is a named Seveso substance nor is in a Seveso category.
SECTION 16. OTHER INFORMATION.


Classification.

Xi Irritant

Labelling

Contains an acrylic copolymer and light mineral oil.

R36/38 Irritating to the eyes and skin.

S26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical attention.

S28 After contact with skin, wash immediately with plenty of soap and water.

DISCLAIMER

The information contained in this SDS relates only to the material specified and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company’s knowledge and belief, accurate and reliable as of the date of issue. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the responsibility of the user to satisfy himself as to the suitability of such information for his own particular use.

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