

<b>1. Identification of the Substance/Preparation and Company</b>	
1.1 Preparation Name:	<b>ARMEX® BLAST MEDIA</b>
Grades:	Armex® Maintenance ( and XL) (and with Suprakleen). Armex® Aviation (and with Suprakleen). Armex® Composite (and with Suprakleen). Armex® Composite and Anilox Roll Hydroflex™ Formula XL. Armex® – Flow Formula XL and Flow Formula M.
1.2 Use of preparation	<i>These products are used as the blast media in pressureised blast cleaning equipment specially designed for handling this media</i>
1.3 Company Address:	Demon International Ltd Abbots Close Lee Mill Ind Est Ivybridge Devon PL21 9GA United Kingdom.
1.4 Emergency Telephone	Phone (international) : 44 (0) 1752 690690 Fax (international) : [44 (0) 1752 690919 <i>Email: sales@demon-pressure-washers.com</i>

<b>2. Hazards Identification</b>	
2.1 Health Hazard Summary	These products are not classified as dangerous and should not present a hazard in normal professional useage.

<b>3. Composition/Information on Ingredients</b>	
3.1 General description	<i>These products contain sodium bicarbonate formulated with performance enhancing additives.</i>
3.2 Risk and Safety Phrases	<i>These products do not contain components which are classified as dangerous, that are present at levels which require listing in this section.</i>

<b>4. First-aid Measures</b>	
4.1 In case of eye contact	<i>Immediately irrigate the eye with copious quantities of warm (but not hot) water or eyewash solution. Seek medical attention if irritation persists.</i>
4.2 In case of skin contact	<i>Rinse off with water without undue delay. Seek medical attention if irritation persists. Remove wet or contaminated clothing.</i>
4.3 In case of inhalation	<i>Remove to fresh air. Seek medical attention if symptoms are evident.</i>

4.4	In case of ingestion	Do not induce vomiting. Rinse mouth with water and give 200 - 300 ml (half a pint) of warm water to drink. Seek medical attention if large amounts have been ingested.
4.5	Further information	Not likely to be required, but if necessary treat symptomatically.

<b>5. Fire-fighting Measures</b>		
5.1	General	The product is not flammable or combustible.
5.2	Fire Extinguishing Media	Use extinguishing media appropriate to the surrounding fire condition.
5.3	Unusual and Explosion Hazards	If extremely large quantities are involved, significant levels of carbon dioxide (CO <sub>2</sub> ) may be generated making necessary the use of a self contained breathing apparatus. (CO <sub>2</sub> is an asphyxiant at levels over 5 % ). Sodium carbonate (soda ash), another thermal decomposition product, generated rapidly at temperatures above 109°C is a respiratory and skin irritant.
5.4	Protective Equipment in case of fire	Wear self contained breathing apparatus if large quantities are involved. See section 5.3 on decomposition products.

<b>6. Accidental Release Measures</b>		
6.1	General	Rinse away with plenty of water.
6.2	Small Spillages	Collect up all solid spillage and then wash residual clean material to drain with an excess of water. Spent material containing paint chips, grease etc. should be filtered and the solids collected for disposal.
6.3	Large Spillages	The product can cause damage to vegetation receiving over-spray. Ornamental plants, shrubs and trees should be protected.
6.4	Personal Protective Equipment	Overalls, gloves and goggles must be worn.

<b>7. Handling and Storage</b>		
7.1	Handling	Atmospheric levels of dust should be maintained at the lowest level reasonably practicable below the <i>WEL</i> (see section 8.1). Overalls and gloves must be worn for continuous and regular handling.
7.2	Storage	Containers: Polythene lined paper sacks. Location: Store in a cool dry warehouse. Keep away from acids. <i>Conditions: Maximum 30°C</i>

7.3	Specific Use	<i>The product is designed to be used as a medium in a pressureised blast cleaning machine. The media can be mixed with water at the blast nozzle.</i>
7.4	Shelf Life	<i>Nominally 24 months.</i>

<b>8. Exposure Controls/Personal Protection</b>		
8.1	Exposure Limit Values	<i>Workplace Exposure Limits (WEL) (UK). Sodium Bicarbonate not listed – ref. 1. Dusts must be considered. Recommended limit: Total inhalable dust 6 mg m<sup>-3</sup> (8 hr TWA Period). Respirable dust 2.4 mg m<sup>-3</sup> (15 minute period).</i>
8.2	Exposure Controls	<i>Ear protection must be worn when using the blast cleaning equipment.</i>
8.2.1 (a)	Respiratory Protection	<i>Ventillation may be necessary to achieve a sufficiently low exposure level. A dust mask must be worn. <b>Wear self contained breathing apparatus in case of fire.</b></i>
8.2.1 (b)	Hand Protection	<i>Chemical resistant gloves must be worn.</i>
8.2.1 (c)	Eye Protection	<i>Safety goggles must be worn. Do not wear contact lenses.</i>
8.2.1 (d)	Skin Protection	<i>Overalls must be worn.</i>
8.2.2	Environmental Exposure	<i>No special constraints – refer section 6 and 13.</i>

<b>9. Physical and Chemical Properties</b>		
9.1	Appearance and Odour	<i>A white crystal without odour.</i>
9.2	pH	<i>8.2 on a 1% W/w solution.</i>
9.3	Boiling Point	<i>Not applicable.</i>
9.4	Freezing Point	<i>Not applicable.</i>
9.5	Flash Point	<i>Not applicable.</i>
9.6	Autoignition Temperature	<i>Not applicable.</i>
9.7	Flammability	<i>Not applicable.</i>
9.8	Explosive Properties	<i>Not applicable.</i>
9.9	Oxidising Properties	<i>Not applicable.</i>
9.10	Vapour Pressure	<i>Negligible.</i>
9.11	Relative Density	<i>Bulk density – approximately 0.98 g/ml</i>
9.12	Water Solubility	<i>8.6g/100ml at 20°C in water</i>
9.13	Partition Coefficient	<i>No Data.</i>

<b>10. Stability and Reactivity</b>	
10.1 Conditions to avoid	These products are stable. <i>There are no special conditions to avoid.</i>
10.2 Materials to avoid	Incompatible with acids (effervesces and evolves carbon dioxide).
10.3 Hazardous Decomposition Products	In the presence of acids: carbon dioxide ( <i>potentially hazardous in an enclosed space</i> ) In a fire: carbon dioxide, <i>sodium carbonate (above 109°C), sodium oxide.</i>

<b>11. Toxicological Information</b>	
11.1 General	<i>Sodium bicarbonate is a substance with low toxicity.</i> LD 50 oral rat 4220 mg/kg. No long term effects have been reported.

<b>12. Ecological Information</b>	
12.1 Ecotoxicity	<i>Sodium bicarbonate:</i> Fish, <i>Lepomis Macrochirus</i> LC50 (96h):8600mg/l. <i>Daphnia sp.</i> , LC50 (48h):2350mg/l.
12.2 Mobility	These products are almost completely soluble in water. They will migrate in soils.
12.3 Persistence and Degradability	<i>These products are not expected to change by aerobic or anaerobic degradation (mainly consist of inorganic chemicals).</i>
12.4 Bioaccumulation potential	These products are not expected to bioaccumulate.

<b>13. Disposal Considerations</b>	
13.1 General	Disposal to drain or other destinies must be in compliance with local consents and regulations. Do not dispose of with acids.

<b>14. Transport Information</b>	
14.1 General	The product does not classify as dangerous for transport

<b>15. Regulatory Information</b>	
15.1 General	Not applicable.
15.2 Hazard Symbols	Not applicable.
15.3 Risk Phrases	Not applicable.
15.4 Safety Phrases	Not applicable.
15.5 Relevant Regulations	<p>These products are not classified under EC Directive 1999/45/EC (or Chemicals (Hazard Information and Packaging) Regulations (CHIP) (UK)).</p> <p><i>The safety data contained within this document should be considered when making an assessment of the risks in using these products (Control of Substances Hazardous to Health Regulations (COSHH) (UK)).</i></p>

<b>16. Other Information</b>	
16.1 References	<ol style="list-style-type: none"> <li>1. Workplace Exposure Limits EH40 - Health and Safety Executive.</li> <li>2. Dangerous Properties of Industrial Materials - N. Irving Sax</li> <li>3. Approved Supply List. Information approved for the Classification and Labelling of Dangerous Substances and Preparations for Supply - Health and Safety Commission.</li> <li>4. European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) – EC/UN.</li> <li>5. <i>Guide to the Compilation of Safety Data Sheets – REACH EC No. 1907/2006 Annex II</i></li> </ol>
16.2 Risk Phrases in section 3.2	Not applicable.
16.3 Important Notes	<p>This document must be read and understood before using the product.</p> <p>The information in this document is given in good faith and is to the best of the Company's knowledge accurate at the time of issue. It is the user's responsibility to be satisfied as to the suitability of the product for any particular application.</p>