Product Data Sheet

November 2006

FOR PROFESSIONAL USE ONLY

M0600V

Waterborne Flocculating Agent P872-100

Product	*Description*
P872-100	Waterborne Flocculating Agent

Product Description

P872-100 has been developed as a flocculating powder for the easy and efficient treatment of waste water contaminated with **Nexa Autocolor** waterborne paint residue during the gun cleaning process. This product is effective for the treatment of waterborne waste only and should not be used with solvent-borne waste.

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PROCESS

OPTION 1 : USE OF P872-100 IN A PURPOSE BUILT GUN CLEANING/WASTE TREATMENT MACHINE

EQUIPMENT

Drester 1000-IS: The **Nexa Autocolor** specification of this machine is the only one currently approved. Other machines are currently being developed/evaluated and are not yet approved.

Filters: The filters supplied with the Drester 1000-IS machine (Item 8702) have been approved. An additional filter, the "Universal Filter" is available from **Nexa Autocolor** as product code 9868-51. The universal filter can be used a minimum of 5 times before being replaced.

GUN CLEANING

Water is recommended for gun cleaning

1) Remove air cap and clean as necessary.
2) Decant excess paint from pot into a waste paint container.
3) Half fill the pot with water and shake vigorously.
4) Empty the resulting waste into the machine.
5) Clean off any remaining paint.
6) Remove pot and rinse it.
7) Clean the internal channels with fresh water.
8) When the gun is completely clean, reassemble and flush gun with a small amount of Aquabase thinner (P980-230).
9) Ensure the gun is completely dry before storing or re-using

Note: Refer to the manual for the Drester 1000-IS machine before using it for the first time.

WASTE TREATMENT

On average 20 guns can be washed before the sump is full of waste (30L).
Each new container of powder must be shaken before use. The container is opened as described by the instructions on the lid.

1) When the sump is full remove the separating mesh and start the air stirrer.
2) Add 100g of P872-100 (1 scoop) to the stirring mixture and continue stirring for 5 minutes.
3) Stop the stirrer and allow the solid waste to settle.
4) Check that the liquid is completely clear.
5) If not, repeat steps 2-4, before continuing the process.
6) Place filter in filter cage and open valve at base of waste treatment sump.
7) When the waste treatment sump is empty wipe the sides, the base and the stirrer before replacing the separating mesh. (Ensure area around the mesh is free from powder residue)

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PROCESS

WASTE DISPOSAL

The sludge collected in the filter is classified as "Controlled Waste" and should be disposed of in accordance with local regulations.

The filtrate produced from the waste treatment process should not be disposed of into a public sewer without obtaining specific advance authorisation from the local or national water authority.

Prior to authorisation the filtrate can be re-used a number of times for cleaning spray guns (hereafter referred to as "recycled water"). This recycle option is only recommended in combination with a centrally approved manual gun cleaning machine such as the Dester 1000-IS. The treated water can be recycled a minimum of 10 times before being replaced with fresh water. Recycled water is classified as "Controlled Waste" and should be disposed of in accordance with local regulations.

When authorisation has been obtained for disposal to public sewer the recycle water method is no longer necessary and so fresh water should then be used for all gun-cleaning purposes.

OPTION 2 : USE OF P872-100 USING THE MANUAL APPROACH ALONGSIDE AN EXISTING AUTOMATIC OR MANUAL GUN CLEANING MACHINE

EQUIPMENT

Gun Cleaning Machine
P872-100 can be used to treat waste from existing automatic or manual gun cleaning machines (typically a 20L volume). Water must be used to clean guns.

Waste Treatment Container
It is recommended that the manual waste treatment process should be carried out in a dedicated 25L container.

Filters
Nexa Autocolor has designed a filter specifically for the manual waste treatment process; the code for this "O" ring filter is 9868-50. However, the "Universal Filter" code 9868-51 can also be used.

GUN CLEANING

1) Carry out gun cleaning using water with the existing method.
2) When the gun is completely clean, reassemble and flush gun with a small amount of **Aquabase** thinner (P980-230).
3) Ensure the gun is completely dry before storing or re-using

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PROCESS

WASTE TREATMENT

Typical waste contains the washings from 50 guns before treatment.

Each new container of powder must be shaken before use. The container is opened as described by the instructions on the lid.

1) Remove the waste from the machine and place it in a dedicated waste treatment container
2) Start stirring the waste mixture.*
3) While stirring add 100g of P872-100 (1 scoop) and continue stirring for 5 minutes.
4) Stop the stirring and allow the solid waste to settle.
5) Check if liquid is completely clear.
6) If the liquid is not clear, repeat steps 3-5, before continuing the process.
7) Place one "O" ring filter inside another and support them on a stand.
8) Pour the flocculated mixture into the filter.
9) When the filtration is complete dispose of the water as described below. Note that only the inner filter should be disposed of. The outer filter can be used again as the inner filter on the next waste treatment.

* An air stirrer is the best option for stirring the waste mixture but a mixing stick can be used where the stirring is aggressive for at least 5 minutes.

WASTE DISPOSAL

The sludge collected in the filter is classified as "Controlled Waste" and as such should be disposed of in accordance with local regulations.

The filtrate produced from this manual method **must not** be re-used in gun cleaning machines. It is classified as "Controlled Waste" and as such should be disposed of in accordance with local regulations. Under no circumstance should the filtrate be disposed of into a public sewer without obtaining specific advance authorisation from the local or national water authority.

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GENERAL PROCESS NOTES

For both options 1 and 2, it is recommended that the waste treatment process is carried out separately from any paint mixing area, as contamination with P872-100 will have a detrimental effect on paint application.

WARNINGS

Precautions should be taken to ensure that the P872-100 powder is not inhaled. We recommend that a mask should be worn when the powder is being added to the waste mixture. Gloves should be worn when cleaning the waste treatment sump.

STORAGE

P872-100 should be stored in a cool dry place separate from any paint or solvents.

VOC INFORMATION

This product falls outside of the scope of EU Directive 2004/42 and therefore does not have a VOC product category classification.
This product can be used by professional motor vehicle repairers.

These products are for professional use only, and are not to be used for purposes other than those specified. The information on this TDS is based on present scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the product for the intended purpose.
For Heath and Safety information please refer to the material Safety Data Sheet, also available at:
http://www.ppg.com/Autocolor_MSDS

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