

SAFETY DATA SHEET**Novospeed RTU Developer 10L****1) IDENTIFICATION****Product Code:** 160120**Supplier:**Champion Photo Chemistry Int Ltd
Hubert Road, Brentwood, Essex CM14 4JE
United Kingdom**Telephone No:** + 44 (0) 1277 263646**Fax:** + 44 (0) 1277 260832**2) COMPOSITION/INFORMATION ON INGREDIENTS****Product Description:**

A ready to use Graphic Arts developer containing the following components contributing to hazard.

	CAS NO	%w/w
Hydroquinone	123-31-9	1-2
Sodium Hydroxide	1310-73-2	05-2.0

3) HAZARDS IDENTIFICATION***Human Health Hazards:**Irritating to eyes and Skin.
Harmful. Possible risk of irreversible effects.
May cause sensitisation by skin contact.
Limited evidence of a carcinogenic effect**Safety Hazards:**Contact with acids liberates toxic gas, (sulphur dioxide).
Contact with X-Ray Fixer liberates irritant gas from the Fixer, (ammonia)**Environmental Hazards:**

Will cause short term oxygen depletion if allowed to enter aquatic environment.

4) FIRST AID MEASURES**Eyes:**

Flush immediately with eye-wash solution or clean water for at least 15 minutes holding the eyelids apart.

Inhalation:

No vapour hazard exists under normal conditions of use.

Skin Contact:Remove any contaminated clothing. Wash skin thoroughly with cold water, then thoroughly with a neutral cleanser and water. Thoroughly wash contaminated clothing before re-use.
Obtain medical attention if irritation develops.**Ingestion:**

Rinse mouth with water and drink about two glasses of water. Do not induce vomiting.

Obtain medical attention.

IN ALL CASES OF DOUBT OR IF SYMPTOMS PERSIST, SEEK MEDICAL ADVICE. SHOW THE PRODUCT LABEL AND THIS SAFETY DATA SHEET TO THE DOCTOR

5) FIRE-FIGHTING MEASURESNot classified as flammable (water based).
If involved in a major fire, toxic gases, (SO₂, CO, CO₂) could be produced.**Extinguishing Media:**

Suitable for the surrounding fire.

Protective Equipment:

Self-contained respiratory equipment.

6) ACCIDENTAL RELEASE MEASURES**Personal Protection:**When dealing with spillages use the personal protection specified in Section 8.
Ensure spill area is well ventilated.**Environmental Precautions:**

Prevent spillages from entering drain by absorption into inert absorbent material (eg. dry sand or earth) and transfer to a container for disposal by a licensed waste contractor.

Cleaning Up:

After collecting the bulk of the spillage thoroughly wash area to drain with water.

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Avoid contact with eyes, skin and clothing. Use in a well ventilated area. Avoid contact with the working strength solution. The routine use of a neutral, (non-alkaline), hand cleanser will minimise the risk of adverse skin reaction.

Storage:

Store in a dry, well ventilated area at a moderate temperature in the original containers away from incompatible substances. (see Section 10).

8) EXPOSURE CONTROLS / PERSONAL PROTECTION**UK Maximum Exposure Limit:**

None Relevant

Engineering Measures:

Ensure good ventilation of the whole working area and local exhaust ventilation of the mixer and processor areas.

Respiratory Protection:

Should not be required.

Skin Protection:

Wear impervious gloves when handling concentrates and to prevent contact with the working strength solution.

Eye Protection:

Wear safety glasses with side-shields as the minimum level of protection. Provide eye-wash bottles in the immediate working area.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless to Very pale yellow liquid

Odour: Very slight

pH at 20°C: 10.55

SG at 20°C : 1.10

Freezing Point: <0°C

Flammability: Not flammable

Solubility

in water: Completely soluble

10) STABILITY AND REACTIVITY**Stability:**

Stable under recommended storage conditions.

Materials to avoid:

Avoid contact with strong acids, (sulphur dioxide will be liberated) and with oxidising agents. Avoid contact X-Ray Fixer, (ammonia will be liberated from the Fixer).

Hazardous Decomposition Products:

None under normal conditions of use.

11) TOXICOLOGICAL INFORMATION**Eye Contact:**

Likely to cause irritation and reddening. If irrigation has not been prompt corneal damage may occur. Burns and possible corneal due to hydroquinone.

Skin Contact:

Prolonged or repeated contact may cause irritation and possible skin sensitisation.

Ingestion:

Likely to cause irritation of the mouth and gastro-intestinal tract.

Inhalation:

No vapour hazard exists under normal conditions of use

12) ECOLOGICAL INFORMATION

The following summary of expected environmental effects is based on known data for the principal ingredients and on the physico-chemical properties of the preparation.

A moderate bio-chemical oxygen demand and high pH will result in short term oxygen depletion and increased alkalinity in the aquatic environment, with subsequent localised damage to plant and animal organisms. Harmful short term effects are rapidly reduced by dilution, oxidation and photodecomposition and the product has a very low potential to persist in a harmful form.

As a result of the above properties, precautions should be taken to avoid release of the product into the environment. (see Section 13).

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13) DISPOSAL CONSIDERATIONS

Surplus Product and Working Strength Solution:
Disposal should be in accordance with current local and national legislation and only by a licensed waste contractor. Do not dispose of either concentrate or working strength solutions into drains, sewers or waterways.

Plastic Containers:
Rinse thoroughly with water and dispose as solid waste to land fill or re-cycle where possible.

Cardboard Cartons:
Re-cycle where possible or treat as solid waste.

14) TRANSPORT INFORMATION
Not classified as hazardous for transport

15) REGULATORY INFORMATION*

Contains Potassium Hydroxide & Hydroquinone.

Hazard Symbol: Xn Harmful

Risk Phrases:
R68 : Possible risk of Irreversible Effects
R43 : May cause sensitisation by skin contact
R40 : Limited evidence of a carcinogenic effect.

Safety Phrases:
S2: Keep out of reach of children

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 (show the label where possible).

16) OTHER INFORMATION

The information contained in this Safety Data Sheet does not constitute the users own assessment of work place risk as required by other health and safety legislation, (eg. COSHH Regulations in the UK).

Document History

Prepared by: IF

Revision No: 4

Revision Date: Oct 2003

Reference Sources Include: CHIP Regs and related ACOs. UK HSE EH40, Occupational Exposure Limits Croner's First Aid Guide Raw Material MSDS

Changes at this revision

Sheet updated to reflect the change in classification status of Hydroquinone.

The information contained in this Safety Data Sheet is to our best present knowledge correct and complete and is given in good faith but without warranty.