

## PRODUCT DESCRIPTION

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INVINO-5045 is a fatty alcohol based defoamer designed for papermaking and white water circulation systems.

The product provides rapid foam control and excellent deaeration performance in dynamic papermaking processes, especially suitable for wet-end applications.

## TECHNICAL DATA SHEET

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<b>Appearance</b>	Milky white liquid
<b>PH</b>	6.0-8.0
<b>Solid Content (%)</b>	30.0±1.0
<b>Viscosity (mPa·s, 25°C)</b>	≥ 100

## APPLICATIONS

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- White water circulation systems
- Wet-end papermaking applications
- High-speed paper machine systems

## FEATURES & BENEFITS

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- Rapid foam elimination
- Excellent deaeration performance
- Effective in white water circulation systems
- Suitable for dynamic papermaking processes
- Good compatibility with wet-end chemicals

## RECOMMENDED DOSAGE

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- INVINO-5060 can be used directly or diluted according to system requirements.
- The optimum addition point should be determined according to the papermaking process and circulation system conditions.



**Technical Data Sheet**

Version: TDS-5045-01

- Typical dosage is between 150–300 g per ton of finished paper depending on foam severity and operating conditions.

## HANDLING AND STORAGE

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- Store in a cool, dry, and well-ventilated place
- Keep container tightly closed
- Avoid freezing
- Recommended storage temperature: 0–40°C
- Avoid contact with eyes and skin
- Please refer to the latest MSDS for safety information

## PACKAGE

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- 25 kg plastic drum
- 200 kg plastic drum
- 1000 kg IBC

## SHELF LIFE

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- 6 months from date of manufacture when stored in original unopened packaging.

## DISCLAIMER

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The information provided in this document is based on our current knowledge and experience.

It does not constitute a guarantee of product performance in specific applications. Users are responsible for evaluating the suitability of the product in their own systems.



## PRODUCT DESCRIPTION

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INVINO-5060 is a fatty alcohol based defoamer designed for papermaking and white water circulation systems.

The product provides rapid foam control and excellent deaeration performance in dynamic papermaking processes, especially suitable for wet-end applications.

## TECHNICAL DATA SHEET

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<b>Appearance</b>	Milky white liquid
<b>PH</b>	6.0-8.0
<b>Solid Content (%)</b>	30.0±1.0
<b>Viscosity (mPa·s, 25°C)</b>	≥ 100

## APPLICATIONS

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- White water circulation systems
- Wet-end papermaking applications
- High-speed paper machine systems

## FEATURES & BENEFITS

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- Rapid foam elimination
- Excellent deaeration performance
- Effective in white water circulation systems
- Suitable for dynamic papermaking processes
- Good compatibility with wet-end chemicals

## RECOMMENDED DOSAGE

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- INVINO-5045 can be used directly or diluted according to system requirements.
- The optimum addition point should be determined according to the papermaking process and circulation system conditions.



**Technical Data Sheet**

Version: TDS-5060-01

- Typical dosage is between 150–300 g per ton of finished paper depending on foam severity and operating conditions.

## HANDLING AND STORAGE

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- Store in a cool, dry, and well-ventilated place
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- Avoid freezing
- Recommended storage temperature: 0–40°C
- Avoid contact with eyes and skin
- Please refer to the latest MSDS for safety information

## PACKAGE

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- 25 kg plastic drum
- 200 kg plastic drum
- 1000 kg IBC

## SHELF LIFE

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## PRODUCT DESCRIPTION

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INVINO-6930 is a silicone emulsion defoamer specially designed for pulp washing and black liquor systems in the pulp and paper industry.

The product provides excellent foam control performance under strong alkali, high temperature, and high shear conditions, while improving drainage efficiency in pulp processing systems.

## TECHNICAL DATA SHEET

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<b>Appearance</b>	White to pale yellow emulsion
<b>Ionic Type of Emulsion</b>	Weak anion
<b>PH</b>	6.0-8.0
<b>Solid Content (%)</b>	30.0±1.0
<b>Viscosity (mPa·s, 25°C)</b>	≥ 500

## APPLICATIONS

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- Brown stock washing processes
- Pulp and paper processing systems

## FEATURES & BENEFITS

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- Excellent resistance to strong alkali and high temperature
- Stable performance under high shear conditions
- Effective foam suppression in black liquor systems
- Improves drainage efficiency in pulp washing processes
- Good compatibility with pulp processing systems

## RECOMMENDED DOSAGE

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- The product can be added directly into the foam-control system by metering pump.
- Typical dosage is between 0.05–0.3 kg per ton of air-dried pulp depending on process conditions and foam severity.



- The optimum addition point should be determined according to the pulp washing process and system conditions.
- If dilution is required, water should be added slowly under gentle stirring.
- The diluted defoamer is recommended for short-term use and should not be stored for extended periods.

## HANDLING AND STORAGE

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- Store in a cool, dry, and well-ventilated place
- Keep container tightly closed
- Avoid freezing
- Recommended storage temperature: 0–40°C
- Avoid contact with eyes and skin
- Please refer to the latest MSDS for safety information

## PACKAGE

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- 25 kg plastic drum
- 200 kg plastic drum
- 1000 kg IBC

## SHELF LIFE

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- 12 months from date of manufacture when stored in original unopened packaging.

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## PRODUCT DESCRIPTION

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INVINO-8062 is a polyether based defoamer designed for papermaking and white water circulation systems.

The product provides effective foam suppression and stable performance in dynamic papermaking processes, especially suitable for wet-end applications and high-speed paper machine systems.

## TYPICAL PHYSICAL PROPERTIES

<b>Appearance</b>	Colorless to light yellow liquid
<b>Ionic Type of Emulsion</b>	Non anion
<b>PH</b>	4.0-9.0
<b>Viscosity (mPa·s, 25°C)</b>	100–1000

## APPLICATIONS

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- Papermaking systems
- White water circulation systems
- Wet-end papermaking applications
- High-speed paper machine systems

## FEATURES & BENEFITS

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- Effective foam suppression
- Good compatibility with white water systems
- Stable performance in dynamic papermaking processes
- Suitable for high-speed paper machine applications
- Low impact on paper machine operation

## RECOMMENDED DOSAGE

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- Typical dosage is between 100–1000 ppm depending on formulation type, foaming severity, and processing conditions.



- The optimum dosage should be determined through preliminary application testing.

## **HANDLING AND STORAGE**

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- Store in a cool, dry, and well-ventilated place
- Keep container tightly closed
- Avoid freezing
- Recommended storage temperature: 0–40°C
- Avoid contact with eyes and skin
- Please refer to the latest MSDS for safety information

## **PACKAGE**

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- 25 kg plastic drum
- 200 kg plastic drum
- 1000 kg IBC

## **SHELF LIFE**

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- 12 months from date of manufacture when stored in original unopened packaging.

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## PRODUCT DESCRIPTION

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INVINO-8081 is a polyether ester based defoamer designed for surface sizing and papermaking systems.

The product provides excellent air release performance and stable foam control in starch sizing formulations, especially suitable for sizing press applications and paper processing systems.

## TYPICAL PHYSICAL PROPERTIES

<b>Appearance</b>	Yellow to light brown liquid
<b>Ionic Type of Emulsion</b>	Non anion
<b>PH</b>	4.0-9.0
<b>Viscosity (mPa·s, 25°C)</b>	100–1000

## APPLICATIONS

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- Surface sizing systems
- Starch sizing applications
- Sizing press systems
- Paper and board processing

## FEATURES & BENEFITS

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- Excellent air release performance
- Good compatibility with sizing systems
- Effective foam suppression in starch formulations
- Stable performance in paper processing systems
- Low impact on paper machine operation

## RECOMMENDED DOSAGE

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- Recommended dosage is typically between 100–1000 ppm depending on the application system and air release requirements.



- The optimum dosage should be evaluated according to formulation compatibility and processing conditions.

## **HANDLING AND STORAGE**

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- Store in a cool, dry, and well-ventilated place
- Keep container tightly closed
- Avoid freezing
- Recommended storage temperature: 0–40°C
- Avoid contact with eyes and skin
- Please refer to the latest MSDS for safety information

## **PACKAGE**

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- 25 kg plastic drum
- 200 kg plastic drum
- 1000 kg IBC

## **SHELF LIFE**

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- 12 months from date of manufacture when stored in original unopened packaging.

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## PRODUCT DESCRIPTION

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INVINO-8082 is a polyether ester based defoamer developed for surface sizing and papermaking systems.

The product provides excellent air release performance and effective foam suppression in starch sizing systems, suitable for sizing press applications and paper processing operations.

## TYPICAL PHYSICAL PROPERTIES

<b>Appearance</b>	Yellow to light brown liquid
<b>Ionic Type of Emulsion</b>	Non anion
<b>PH</b>	4.0-9.0
<b>Viscosity (mPa·s, 25°C)</b>	100–1000

## APPLICATIONS

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- Surface sizing systems
- Starch sizing applications
- Sizing press systems
- Paper and board processing

## FEATURES & BENEFITS

---

- Excellent air release performance
- Good compatibility with sizing systems
- Effective foam suppression in starch formulations
- Stable performance in paper processing systems
- Low impact on paper machine operation

## RECOMMENDED DOSAGE

---

- Recommended dosage is typically between 100–1000 ppm depending on the application system and air release requirements.



- The optimum dosage should be evaluated according to formulation compatibility and processing conditions.

## **HANDLING AND STORAGE**

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- Store in a cool, dry, and well-ventilated place
- Keep container tightly closed
- Avoid freezing
- Recommended storage temperature: 0–40°C
- Avoid contact with eyes and skin
- Please refer to the latest MSDS for safety information

## **PACKAGE**

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- 25 kg plastic drum
- 200 kg plastic drum
- 1000 kg IBC

## **SHELF LIFE**

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- 12 months from date of manufacture when stored in original unopened packaging.

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