



November 2, 2011

Dear Valued Customer:

Our records indicate that you have requested notification of change by registering in the Avantor Performance Materials™ change notification database or you have purchased product(s) from Avantor within the last three years. This is a preliminary change notification letter to alert you that Avantor will implement a new label system in 2012. As part of the implementation of the new label system, Avantor will modify the design of its existing J.T.Baker® and Macron™ brand product labels.

Change Type	Label Change
Tracking	MOC-QUAL-5617
Notification Type	Initial
Product(s)	J.T.Baker® and Macron® brand products

Description of Changes

From: Current design for J.T.Baker® and Macron™ labels      To: New design for J.T.Baker® and Macron™ labels  
From: Current label system    To: New label system

In order to adhere to elements of the Global Harmonization System of Classification and Labeling of Chemicals (GHS), Avantor needs to migrate to a new label system. Migration to the new label system will require Avantor to make some changes to the overall design of its J.T.Baker® and Macron™ product labels. The design changes will include the removal of some existing label information as well as the addition of new information in response to changing customer needs and new global standards. Below is a summary of the key elements that are expected to change as a result of this implementation. Please note that this list represents the anticipated changes based on information that is available as of the publication of this letter and that it is possible that additional changes may need to be made as the implementation of Avantor’s SAP system nears.

Label elements to be added:

- Manufacture Date (in yyyy/mm/dd format)
- GHS elements

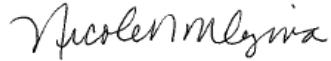
Label elements to be eliminated:

- ALA (Actual Lot analysis) for reagents
- NFPA symbol
- SAF-T-DATA system
- Spill kit statements

In order to minimize the impact that this label change will have on customers, Avantor will implement the new label system and new label design in conjunction with its SAP implementation. The label implementation for products produced in Avantor’s United States facilities will be phased by business segment and a specific timeline for the implementation, along with old and new label format samples, will be provided early in January, 2012. The label conversion process for J.T.Baker® and Macron® products manufactured at Avantor facilities located outside of the United States will occur in the second half of 2012. Specific timelines for the international label conversions will be provided after the U.S. implementation is complete.

Due to the varying rates at which Avantor products move through the supply chain, customers should expect to receive product with either the old or new label designs for a period of time after the implementation. Please contact your Avantor™ representative if you have any questions regarding this change. We appreciate your continued confidence and interest in Avantor™ products.

Sincerely,



Nicole Mleziva  
Documentation Supervisor

All trademarks owned by Avantor™ Performance Materials, Inc., or its affiliates, unless otherwise noted.

If you wish to update your contact information or are currently receiving this notification via mail and would prefer to receive these notifications electronically, please provide us with your e-mail address by contacting us at E-Mail: [info@avantormaterials.com](mailto:info@avantormaterials.com)

**Avantor™ Performance Materials, Inc.**  
3477 Corporate Parkway, Suite #200  
Center Valley PA 18034 USA  
Technical Service Department  
Tel: 1-610-573-2600  
Toll Free: 1-855-282-6867  
[www.askavantor.com](http://www.askavantor.com)

**Avantor™ Performance Materials B.V.**  
Teugseweg 20  
7418 AM, Deventer  
The Netherlands  
Tel: +31-570-687500

**Avantor™ Performance Materials Sdn. Bhd.**  
(Formerly known as Mallinckrodt Baker Sdn Bhd)  
A-1201-2, 12th Floor, Kelana Brem Tower 1  
Jalan SS7/15,(Jalan Stadium),Kelana Jaya  
47301 Petaling Jaya  
Selangor Malaysia  
Tel: 60-3-780-30378

**Avantor™ Performance Materials, S.A. de C.V.**  
Plomo 2, Fracc. Industrial Esfuerzo Nacional  
Xalostoc CP 55320 Ecatepec  
Estado de Mexico MEXICO  
Tel: 5255-5699-0250



February 10, 2012

Dear Valued Customer:

Our records indicate that you have requested notification of change by registering in the Avantor™ Performance Materials change notification database or you have purchased product(s) from Avantor within the last three years. This is a follow up letter to the one sent on November 2, 2011, communicating that Avantor will implement a new label system in 2012. As part of the implementation of the new label system, Avantor will modify the design of its existing J.T.Baker® and Macron Fine Chemicals™ brand product labels.

Change Type	Label Change
Tracking	MOC-QUAL-5617
Notification Type	Updated
Product(s)	J.T.Baker® and Macron Fine Chemicals™ brand products

Description of Changes

From: Current design for J.T.Baker® and Macron™ labels  
To: New design for J.T.Baker® and Macron Fine Chemicals™ labels

From: Current label system  
To: New label system

Please reference the preliminary letter for details on label element changes.

Attached you will find examples of the current labels and of the implementation of the new label design in the different sizes. As we continue with the GHS implementation for all our products, you will find labels with or without GHS elements.

In order to minimize the impact that this label change will have on customers, Avantor will implement the new label system and new label design in conjunction with its SAP implementation. The label implementation for products produced in Avantor's United States facilities will be phased by business segment. The schedule for implementation of the new labels will be as follows:

- All GMP products that are manufactured on or after April 2, 2012, will carry the new label design and elements
- Label conversion for Laboratory Reagent products (non-GMP) will be phased-in to the new label design by May 30<sup>th</sup>, 2012
- Label conversion for Electronic products will be phased-in to the new label design by June 30<sup>th</sup>, 2012

The label conversion process for J.T.Baker® and Macron Fine Chemicals™ products manufactured at Avantor facilities located outside of the United States will occur in the second half of 2012. Specific timelines for the international label conversions will be provided after the U.S. implementation is complete.

Due to the varying rates at which Avantor products move through the supply chain, customers should expect to receive product with either the old or new label designs for a period of time after the implementation. Please contact your Avantor representative if you have any questions regarding this change. We appreciate your continued confidence and interest in Avantor products.

Sincerely,

Nicole Mleziva  
Documentation Supervisor

All trademarks owned by Avantor™ Performance Materials, Inc., or its affiliates, unless otherwise noted.

If you wish to update your contact information or are currently receiving this notification via mail and would prefer to receive these notifications electronically, please provide us with your e-mail address by contacting us at E-Mail: [info@avantormaterials.com](mailto:info@avantormaterials.com)

**Avantor™ Performance Materials, Inc.**  
3477 Corporate Parkway, Suite #200  
Center Valley PA 18034 USA  
Technical Service Department  
Tel: 1-610-573-2600  
Toll Free: 1-855-282-6867  
[www.askavantor.com](http://www.askavantor.com)

**Avantor™ Performance Materials B.V.**  
Teugseweg 20  
7418 AM, Deventer  
The Netherlands  
Tel: +31-570-687500

**Avantor™ Performance Materials Sdn. Bhd.**  
(Formerly known as Mallinckrodt Baker Sdn Bhd)  
A-1201-2, 12th Floor, Kelana Brem Tower 1  
Jalan SS7/15, (Jalan Stadium), Kelana Jaya  
47301 Petaling Jaya  
Selangor Malaysia  
Tel: 60-3-780-30378

**Avantor™ Performance Materials, S.A. de C.V.**  
Plomo 2, Fracc. Industrial Esfuerzo Nacional  
Xalostoc CP 55320 Ecatepec  
Estado de Mexico MEXICO  
Tel: 5255-5699-0250



**Current  
J.T.Baker®  
Brand  
Labels**

(Note: labels are not to scale)





4 x 4 L      5668-03

**Sodium Hydroxide,  
5N Solution**

SODIUM HYDROXIDE SOLUTION  
Biotech Reagent  
NaOH      FW 40.00

LOT      DOT Name: SODIUM HYDROXIDE SOLUTION UN1824  
USE BEFORE: February 28, 2014

MSF Manufacturer Product  
J.T. Baker U.S.A. Analytical Reagents and Reagents Division, 615  
Main Street, Phillipsburg, NJ 08865, U.S.A. and U.S. District  
Representative

Appearance (Color, odors, weight)      Page 1 of 2  
Density (20 °C)      1.52 g/mL  
Boiling Point (at 101.3 kPa)      1153 °C  
Freezing Point (at 101.3 kPa)      3.8 °C

Filtered through 0.2 µm filter.  
For Laboratory, Research or Manufacturing Use  
Protect from air to avoid degradation of active portion.

MSF No. 5668-03      CAS No. 1310-73-2



**CORROSIVE**

8



DOT Name: SODIUM HYDROXIDE SOLUTION UN1824  
CAS NO: 1310-73-2  
J.T. Baker 615 Main Street, Phillipsburg, NJ 08865, U.S.A. and U.S. District Representative for sale in the United States.  
MADE IN USA

**Sodium Hydroxide, 5N Solution**

**DANGER!**

Corrosive. Causes severe skin and eye burns. Causes digestive tract burns. May be vapor irritating to eyes and respiratory tract. Do not breathe mist or vapor. Do not get in eyes, on face, or on clothing. Use only with properly vented, leak resistant closed vessel thoroughly after handling. REPAIR and non-volatile leak repair with epoxy or weld or use if necessary. Immediately flush contact points of water if possible and remove from the contact to prevent air and fire. (P273) Do not release into the environment. Do not use in food processing. Do not handle empty without clean leak resistant vessel. If empty weight, leak test for air tight condition before reuse for this range. Do not use "rechargeable" material.

**SEE MATERIAL SAFETY DATA SHEET**

**SODIUM HYDROXIDE SOLUTION**

**DANGER!**

Corrosif. Irritation des brûlures sévères aux yeux et à la peau. Irritation des brûlures de la digestion. Peut être irritant pour les yeux et les voies respiratoires. Ne pas respirer la brume ni le vapeur. Ne pas laisser tomber dans les yeux, le visage, le corps ou les vêtements. Utiliser uniquement dans une ventilation adéquate. Réparer et réparer les fuites avec de l'époxi ou souder si nécessaire. Immédiatement rincer les points de contact avec de l'eau si possible et retirer de la zone de contact. Ne pas laisser dans l'environnement. Ne pas utiliser dans la transformation alimentaire. Ne pas manipuler sans récipient hermétique et résistant aux fuites. Si le poids est vide, tester la condition avant de réutiliser. Ne pas utiliser dans la transformation alimentaire. Ne pas manipuler sans récipient hermétique et résistant aux fuites. Ne pas utiliser dans la transformation alimentaire. Ne pas manipuler sans récipient hermétique et résistant aux fuites.

**VOIR FICHE SIGNALÉTIQUE**

# New J.T.Baker® Brand Labels

(Note: labels are not to scale)

**2-Propanol** WARNING: FLAMMABLE LIQUID AND VAPOR. Causes eye irritation. Harmful if swallowed or inhaled. May cause respiratory irritation. Prolonged or repeated skin contact may cause dryness, cracking, or irritation. High vapor concentrations may cause dizziness and headache. Respiratory irritation may occur if you breathe in vapors from this product. Avoid breathing in vapors from this product. Avoid contact with skin and eyes. Avoid contact with clothing. Use only with adequate ventilation. Do not use in confined spaces. See MATERIAL SAFETY DATA SHEET for more information.

**2-Propanol** DANGER: Highly flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation. May cause dizziness or headache. Prolonged or repeated skin contact may cause dryness, cracking, or irritation. High vapor concentrations may cause dizziness and headache. Respiratory irritation may occur if you breathe in vapors from this product. Avoid breathing in vapors from this product. Avoid contact with skin and eyes. Avoid contact with clothing. Use only with adequate ventilation. Do not use in confined spaces. See MATERIAL SAFETY DATA SHEET for more information.

**2-Propanol** Peligro: Líquido y vapores altamente inflamables. Puede ser nocivo en caso de respiración o por ingestión. Puede causar irritación ocular. Evite el contacto con la piel y los ojos. Evite el contacto con la ropa. Utilice solo con ventilación adecuada. No use en espacios confinados. Consulte la Hoja de Datos de Seguridad para obtener más información.

**2-Propanol** 危險：高度易燃液體和蒸氣。可能導致眼睛嚴重刺激。可能導致呼吸系統刺激。可能導致頭暈或頭痛。長期或重複皮膚接觸可能導致乾燥、皸裂或刺激。高濃度蒸氣吸入可能導致頭暈或頭痛。呼吸系統刺激可能發生。吸入此產品蒸氣可能導致頭暈或頭痛。避免吸入此產品蒸氣。避免接觸皮膚和眼睛。避免接觸衣物。僅在通風良好處使用。不要在封閉空間內使用。請參閱材料安全數據表以獲取更多信息。

**AWANTOR**  
PERFORMANCE MATERIALS  
Avantor Performance Materials, Inc.  
3477 Corporate Parkway, Suite 200 - Center Valley, PA 18034 USA  
Tel (610) 573-2600 - www.avanormaterials.com

**4L** **2-Propanol**  
For use in Liquid Chromatography (including HPLC and UHPLC) and Spectrophotometry  
**'BAKER ANALYZED™' HPLC Solvent**  
**CH<sub>3</sub>CHOHCH<sub>3</sub>**  
**Batch No.**  
**Manufactured Date: YYYY/MM/DD**  
**Expiration Date: YYYY/MM/DD**  
Ultraviolet Absorbance (1.00-cm cell vs. water): 350 nm ≤ 0.01  
Ultraviolet Absorbance (1.00-cm cell vs. water): 280 nm ≤ 0.01  
Ultraviolet Absorbance (1.00-cm cell vs. water): 254 nm ≤ 0.16  
UV Cutoff, nm ≤ 205  
Gradient Elution Test (a.u.): 254 nm ≤ 0.002  
Assay (CH<sub>3</sub>CHOHCH<sub>3</sub>) ≥ 99.7%  
Residue after Evaporation ≤ 2 ppm  
Water (by KF coulometric) ≤ 0.03 %  
For Laboratory, Research or Manufacturing Use

**90XX-XX**  
**FLASH POINT: 12°C (54°F)**  
**(Closed Cup)**  
**DOT Name: ISOPROPANOL**  
**UNI 219**  
**CAS NO: 67-63-0**  
**Made in USA**  
WARNING: This product contains chemicals known to the state of California to cause cancer.  
**MPO #**  
**Rev #** E24

**2-Propanol** WARNING: FLAMMABLE LIQUID AND VAPOR. Causes eye irritation. Harmful if swallowed or inhaled. May enter lungs if swallowed or inhaled. See MATERIAL SAFETY DATA SHEET for more information.

**2-Propanol** DANGER: Highly flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation.

**2-Propanol** Peligro: Líquido y vapores altamente inflamables. Puede ser nocivo en caso de respiración o por ingestión. Puede causar irritación ocular. Evite el contacto con la piel y los ojos. Evite el contacto con la ropa. Utilice solo con ventilación adecuada. No use en espacios confinados. Consulte la Hoja de Datos de Seguridad para obtener más información.

**2-Propanol** 危險：高度易燃液體和蒸氣。可能導致眼睛嚴重刺激。可能導致呼吸系統刺激。可能導致頭暈或頭痛。長期或重複皮膚接觸可能導致乾燥、皸裂或刺激。高濃度蒸氣吸入可能導致頭暈或頭痛。呼吸系統刺激可能發生。吸入此產品蒸氣可能導致頭暈或頭痛。避免吸入此產品蒸氣。避免接觸皮膚和眼睛。避免接觸衣物。僅在通風良好處使用。不要在封閉空間內使用。請參閱材料安全數據表以獲取更多信息。

**AWANTOR**  
PERFORMANCE MATERIALS  
Avantor Performance Materials, Inc.  
3477 Corporate Parkway, Suite 200 - Center Valley, PA 18034 USA  
Tel (610) 573-2600 - www.avanormaterials.com

**500 mL** **2-Propanol**  
For use in Liquid Chromatography (including HPLC and UHPLC) and Spectrophotometry  
**'BAKER ANALYZED™' HPLC Solvent**  
**CH<sub>3</sub>CHOHCH<sub>3</sub>** **FW 60.10**  
**Batch No.**  
**Manufactured Date: YYYY/MM/DD**  
**Expiration Date: YYYY/MM/DD**  
Ultraviolet Absorbance (1.00-cm cell vs. water): 350 nm ≤ 0.01  
Ultraviolet Absorbance (1.00-cm cell vs. water): 280 nm ≤ 0.01  
Ultraviolet Absorbance (1.00-cm cell vs. water): 254 nm ≤ 0.16  
UV Cutoff, nm ≤ 205  
Gradient Elution Test (a.u.): 254 nm ≤ 0.002  
Assay (CH<sub>3</sub>CHOHCH<sub>3</sub>) ≥ 99.7%  
Residue after Evaporation ≤ 2 ppm  
Water (by KF coulometric) ≤ 0.03 %  
For Laboratory, Research or Manufacturing Use

**90XX-XX**  
**FLASH POINT: 12°C (54°F)**  
**(Closed Cup)**  
**DOT Name: ISOPROPANOL**  
**UNI 219**  
**CAS NO: 67-63-0**  
**Made in USA**  
WARNING: This product contains chemicals known to the state of California to cause cancer.  
**MPO #**  
**Rev #** E24

**Sodium Phosphate, Monobasic, Monohydrate, Crystal** CAUTION! Product dust may be irritating to eyes, skin and respiratory system. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed. FIRST AID: Immediately flush eyes with plenty of water for at least 15 minutes. Flush skin thoroughly with water. If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. If ingestion of a large amount does occur, call a poison control center immediately. SEE MATERIAL SAFETY DATA SHEET.

**PHOSPHATE DE SODIUM MONOBASIQUE MONOHYDRATE** PRÉCAUTION! Les poussières de produit peuvent être irritantes pour les yeux, la peau et l'appareil respiratoire. Évitez de respirer de la poussière. Évitez le contact avec les yeux, la peau et les vêtements. Utilisez uniquement avec une ventilation adéquate. Lavez vigoureusement après manipulation. Gardez le contenant fermé. PREMIERS SECOURS: Rincez immédiatement les yeux à grande eau pendant au moins 15 minutes. Bien laver la peau avec de l'eau. Si les gaz/émansations/vapeurs/poussières/broumes du matériau sont inhalés, emmener immédiatement la personne affectée à l'air frais. En cas d'ingestion en grande quantité, appeler immédiatement un centre antipoison. VOIR FICHE SIGNALÉTIQUE.

**AWANTOR**  
PERFORMANCE MATERIALS  
Avantor Performance Materials, Inc.  
3477 Corporate Parkway, Suite 200 - Center Valley, PA 18034 USA  
Tel (610) 573-2600 - www.avanormaterials.com

**100 mL** **Sodium Phosphate, Monobasic, Monohydrate, Crystal**  
**U.S.P. - F.C.C.**  
**NaH<sub>2</sub>PO<sub>4</sub>·H<sub>2</sub>O** **FW 137.99**  
**Batch No.**  
**Manufactured Date: YYYY/MM/DD**  
**Expiration Date: YYYY/MM/DD**  
For Laboratory, Research or Manufacturing Use  
GMP Manufactured Product  
Meets U.S.P. Requirements  
Meets F.C.C. Requirements  
Bulk Food Chemicals  
Bulk Pharmaceutical Chemical  
**MPO #**  
**Rev #** E24  
**CAS NO: 10049-21-5** **Made in USA**

**Water**  
Not applicable. Keep container closed. FIRST AID: Not applicable.  
SEE MATERIAL SAFETY DATA SHEET

**Water**  
Not applicable. Gardez le contenu fermé.  
PREMIERS SECOURS: Not applicable.  
VOIR FICHE SIGNALÉTIQUE

**Safety Data Sheet available at**  
**www.avanormaterials.com**

**AWANTOR**  
PERFORMANCE MATERIALS  
Avantor Performance Materials, Inc.  
3477 Corporate Parkway, Suite 200 - Center Valley, PA 18034 USA  
Tel (610) 573-2600 - www.avanormaterials.com

**10 g** **Water**  
For Environmental Inorganic and Organic Trace Analysis  
**ULTRA RESI-ANALYZED®**  
**H<sub>2</sub>O** **FW 18.00**  
**BATCH No.**  
**Manufactured Date: YYYY/MM/DD**  
**Expiration Date: YYYY/MM/DD**  
**CAS NO: 7732-18-5** **Made in USA**  
For a Certificate of Lot Analysis, visit [www.avanormaterials.com](http://www.avanormaterials.com)  
This specially purified product is packaged under conditions of extreme cleanliness. Because both chemicals and bacteriological contamination can occur through normal handling and use, it is recommended that the user observe better-than-average care in all opening, transfer and dosing operations. "Class 100" clean air conditions are recommended.  
**MPO #**  
**Rev #** E24

# New J.T.Baker® Brand Labels



(Note: labels are not to scale)

**2. Product** WARNING: FLAMMABLE LIQUID; IRRITANT. Causes eye irritation, harmful if swallowed. May be irritant if swallowed. Prolonged or repeated contact with skin may cause dryness, cracking and irritation. May be irritant if inhaled. May cause irritation of the respiratory tract. May be irritant if inhaled. May cause irritation of the respiratory tract. May be irritant if inhaled. May cause irritation of the respiratory tract.

**3. Hazard** EXTREMELY FLAMMABLE. Flashpoint less than 100°F (38°C) at 20°C (68°F).  
 3.1. Physical State: Liquid  
 3.2. Odor: Pungent  
 3.3. Color: Colorless to Light Yellow  
 3.4. Boiling Point: 42°F (5.6°C)  
 3.5. Freezing Point: -77.8°F (-50°C)  
 3.6. Vapor Pressure: 12.3 mmHg (at 20°C)  
 3.7. Specific Gravity: 0.815 (at 20°C)  
 3.8. Refractive Index: 1.361 (at 20°C)  
 3.9. Density: 0.815 g/cm³ (at 20°C)

Avantor Performance Materials, Inc.  
 147 Corporate Parkway, Suite 300  
 Center Valley, PA 18014  
 Tel 610-673-2600

Safety Data Sheet available at [www.avorantmaterials.com](http://www.avorantmaterials.com)

Avantor Performance Materials, Inc.  
 147 Corporate Parkway, Suite 300 - Center Valley, PA 18014  
 Tel 610-673-2600 - [www.avorantmaterials.com](http://www.avorantmaterials.com)

**4 x 4 L**                                **90XX-XX**

**2-Propanol**

For use in liquid chromatography (including HPLC and UPLC) and spectrophotometry

"BAKER ANALYZED™" HPLC Solvent  
CH3CHOHCH3                                **FW 60.10**

**BATCH No.**                                **Manufactured Date: YYYYMMDD**  
**Expiration Date: YYYYMMDD**

For Laboratory, Research or Manufacturing Use


**FLASH POINT: 12°C (54°F) (Closed Cup)**  
**DOT Name: ISOPROPANOL**  
**UN1219**

**CAS No: 67-63-0**


**Made in USA**

WARNING: This product contains chemicals known to the State of California to cause cancer.


**MFC #**  
**Rev #**  
**E24**



**NO  
GHS  
LABEL**




**NO  
GHS  
LABEL**




**FLAMMABLE LIQUID**

**3**



**NO  
GHS  
LABEL**



**2. Product** HAZARDOUS; IRRITANT; CORROSIVE. Causes eye and skin irritation. Causes severe eye damage. Causes severe skin burns. May be fatal if swallowed. Irritating to eyes, nose, throat and respiratory tract. May be fatal if inhaled. Causes severe respiratory irritation. May cause severe damage to the respiratory tract.

**3. Hazard** EXTREMELY CORROSIVE. Flashpoint less than 100°F (38°C) at 20°C (68°F).  
 3.1. Physical State: Solid  
 3.2. Odor: Pungent  
 3.3. Color: White to Light Yellow  
 3.4. Boiling Point: 166°C (331°F)  
 3.5. Freezing Point: 32°C (90°F)  
 3.6. Vapor Pressure: 0.1 mmHg (at 20°C)  
 3.7. Specific Gravity: 1.52 (at 20°C)  
 3.8. Refractive Index: 1.419 (at 20°C)  
 3.9. Density: 1.52 g/cm³ (at 20°C)

Avantor Performance Materials, Inc.  
 147 Corporate Parkway, Suite 300  
 Center Valley, PA 18014  
 Tel 610-673-2600

Safety Data Sheet available at [www.avorantmaterials.com](http://www.avorantmaterials.com)




Avantor Performance Materials, Inc.  
 147 Corporate Parkway, Suite 300 - Center Valley, PA 18014  
 Tel 610-673-2600 - [www.avorantmaterials.com](http://www.avorantmaterials.com)

**4 x 4 L**                                **56XX-XX**

**Sodium Hydroxide,  
5N Solution**

SODIUM HYDROXIDE SOLUTION

Biotech Reagent

**NaOH**                                **FW 40.00**

**BATCH No.**                                **Manufactured Date: YYYYMMDD**  
**Expiration Date: YYYYMMDD**

For Laboratory, Research or Manufacturing Use

Product made to avoid absorption of carbon dioxide.

**DOT Name: SODIUM HYDROXIDE SOLUTION**  
**UN1824**

**CAS No: 1310-73-2**

**Made in USA**

JTBaker NEUTRACTIP™ 2 or BUCARB™ caustic neutralizers are recommended for spills of this product.

**MFC #**  
**Rev #**  
**E24**



**CORROSIVE**

**8**





**2. Product** WARNING: FLAMMABLE LIQUID; IRRITANT. Causes eye irritation, harmful if swallowed. May be irritant if swallowed. Prolonged or repeated contact with skin may cause dryness, cracking and irritation. May be irritant if inhaled. May cause irritation of the respiratory tract. May be irritant if inhaled. May cause irritation of the respiratory tract.

**3. Hazard** EXTREMELY FLAMMABLE. Flashpoint less than 100°F (38°C) at 20°C (68°F).  
 3.1. Physical State: Liquid  
 3.2. Odor: Pungent  
 3.3. Color: Colorless to Light Yellow  
 3.4. Boiling Point: 42°F (5.6°C)  
 3.5. Freezing Point: -77.8°F (-50°C)  
 3.6. Vapor Pressure: 12.3 mmHg (at 20°C)  
 3.7. Specific Gravity: 0.815 (at 20°C)  
 3.8. Refractive Index: 1.361 (at 20°C)  
 3.9. Density: 0.815 g/cm³ (at 20°C)

Avantor Performance Materials, Inc.  
 147 Corporate Parkway, Suite 300  
 Center Valley, PA 18014  
 Tel 610-673-2600

Safety Data Sheet available at [www.avorantmaterials.com](http://www.avorantmaterials.com)

Avantor Performance Materials, Inc.  
 147 Corporate Parkway, Suite 300 - Center Valley, PA 18014  
 Tel 610-673-2600 - [www.avorantmaterials.com](http://www.avorantmaterials.com)

**200 L**                                **90XX-XX**

**2-Propanol**

For use in liquid chromatography (including HPLC and UPLC) and spectrophotometry

"BAKER ANALYZED™" HPLC Solvent  
CH3CHOHCH3                                **FW 60.10**

**BATCH No.**                                **Manufactured Date: YYYYMMDD**  
**Expiration Date: YYYYMMDD**

For Laboratory, Research or Manufacturing Use


**FLASH POINT: 12°C (54°F) (Closed Cup)**  
**DOT Name: ISOPROPANOL**  
**UN1219**

**CAS No: 67-63-0**


**Made in USA**

WARNING: This product contains chemicals known to the State of California to cause cancer.

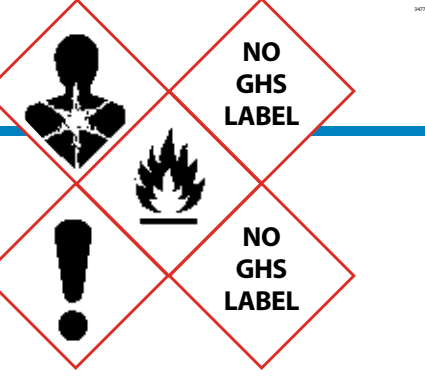
**MFC #**  
**Rev #**  
**E24**



**NO  
GHS  
LABEL**





**NO  
GHS  
LABEL**



**FLAMMABLE LIQUID**

**3**

# Current Macron Fine Chemicals™ Brand Labels

(Note: labels are not to scale)

Isopropyl Alcohol

**WARNING!**  
FLAMMABLE LIQUID AND VAPOR. Causes eye irritation. Harmful if swallowed - may enter lungs if swallowed or vomited. Prolonged or repeated skin contact may cause drying, cracking, or irritation. High vapor concentrations may cause dizziness and irritation of the eyes or respiratory tract. Keep away from heat, sparks and flame. Take precautionary measures against static discharge. Avoid breathing high vapor concentrations. Avoid contact with eyes and prolonged skin contact. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

**FIRST AID:** Immediately flush eyes with plenty of water for at least 15 minutes. Flush skin thoroughly with water. If gas/fume/vapor/irritant from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention if symptoms persist. If SWALLOWED, immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach contents do not enter the lungs.

SEE MATERIAL SAFETY DATA SHEET

4 L 3043-10  
**Isopropyl Alcohol**  
CleanARS  
CH<sub>3</sub>CHOHCH<sub>3</sub>  
LOT

Flash Point: 12°C (54°F) (Closed Cup)  
DOT Name: ISOPROPANOL UN1219  
CAS NO: 67-63-0  
MADE IN USA

MACRON CHEMICALS

Quanta Performance Chemicals, Inc.  
Columbus, Ohio 43054  
Tel: 614.277.2200  
www.quantachemicals.com

Sodium Phosphate, Monobasic, Monohydrate, Granular

**CAUTION!**  
Product dust may be irritating to eyes, skin and respiratory system. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed. **FIRST AID:** Immediately flush eyes with plenty of water for at least 15 minutes. Flush skin thoroughly with water. If gas/fume/vapor/irritant from the material is inhaled, remove the affected person immediately to fresh air. If ingestion of a large amount does occur, call a poison control center immediately.

SEE MATERIAL SAFETY DATA SHEET

12 kg 7892-20  
**Sodium Phosphate, Monobasic, Monohydrate, Granular**  
ARB (ACS)  
NaH<sub>2</sub>PO<sub>4</sub>·H<sub>2</sub>O  
FW 137.99  
LOT

Flash Point: 12°C (54°F) (Closed Cup)  
DOT Name: ISOPROPANOL UN1219  
CAS NO: 67-63-0  
MADE IN USA

MACRON CHEMICALS

Quanta Performance Chemicals, Inc.  
Columbus, Ohio 43054  
Tel: 614.277.2200  
www.quantachemicals.com

Water

Low hazard for usual industrial or commercial handling. Handle in accordance with good industrial hygiene and safety practice. Keep container closed. **FIRST AID:** Treat symptomatically.

SEE MATERIAL SAFETY DATA SHEET

4 L H453-07  
**Water**  
(Distilled Water, Deionized Water)  
AR0 (ACS)  
H<sub>2</sub>O  
LOT

Flash Point: 12°C (54°F) (Closed Cup)  
DOT Name: ISOPROPANOL UN1219  
CAS NO: 67-63-0  
MADE IN USA

MACRON CHEMICALS

Quanta Performance Chemicals, Inc.  
Columbus, Ohio 43054  
Tel: 614.277.2200  
www.quantachemicals.com

Isopropyl Alcohol

**WARNING!**  
FLAMMABLE LIQUID AND VAPOR. Causes eye irritation. Harmful if swallowed - may enter lungs if swallowed or vomited. Prolonged or repeated skin contact may cause drying, cracking, or irritation. High vapor concentrations may cause dizziness and irritation of the eyes or respiratory tract. Keep away from heat, sparks and flame. Take precautionary measures against static discharge. Avoid breathing high vapor concentrations. Avoid contact with eyes and prolonged skin contact. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

**FIRST AID:** Immediately flush eyes with plenty of water for at least 15 minutes. Flush skin thoroughly with water. If gas/fume/vapor/irritant from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention if symptoms persist. If SWALLOWED, immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach contents do not enter the lungs.

SEE MATERIAL SAFETY DATA SHEET

4 X 4 L 3043-10  
**Isopropyl Alcohol**  
CleanARS  
CH<sub>3</sub>CHOHCH<sub>3</sub>  
LOT

Flash Point: 12°C (54°F) (Closed Cup)  
DOT Name: ISOPROPANOL UN1219  
CAS NO: 67-63-0  
MADE IN USA

MACRON CHEMICALS

Quanta Performance Chemicals, Inc.  
Columbus, Ohio 43054  
Tel: 614.277.2200  
www.quantachemicals.com

**FLAMMABLE LIQUID**  
3



# Current Macron Fine Chemicals™ Brand Labels

(Note: labels are not to  
scale)

6 X 500 mL

## Hydrochloric Acid

N.F., F.C.C., A.C.S.  
HCl  
LOT

GMP Manufactured Product  
Meets N.F. Specifications  
Meets F.C.C. Specifications  
Meets A.C.S. Specifications

Bulk Food Chemical  
Bulk Pharmaceutical Chemical  
CAUTION: For manufacturing, processing or reworking.  
For a Certificate of Lot Analysis, visit [www.macron.com](http://www.macron.com).

2062-04

FW 36.46

SAF-T-DATA™ System


3	0	1	4
HEALTH	ENVIRONMENTAL	REACTIVITY	CORROSIVITY

A HAZARD IDENTIFICATION SYSTEM

PICTOGRAMS: CORROSIVE, FLAMMABLE LIQUID, OXIDIZING LIQUID, CORROSIVE SOLID

DOT Name: HYDROCHLORIC ACID  
UN1789  
CAS NO. 7647-01-0  
MADE IN USA

H314  
H332  
H334




Manufactured for:  
Analog Performance Materials, Inc.  
Cincinnati, OH 45240  
[www.analogpm.com](http://www.analogpm.com)

**Hydrochloric Acid**

**DANGER!**  
Corrosive. Causes severe skin and eye burns. Causes digestive tract burns. Mist or vapor extremely irritating to eyes and respiratory tract. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling. **FIRST AID:** Immediately flush eyes with plenty of water for at least 15 minutes. Immediately flush skin with plenty of water. If gas/fume/vapor/liquid from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention immediately. **IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach contents don't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance.

**SEE MATERIAL SAFETY DATA SHEET**



# New Macron Fine Chemicals™ Brand Labels

(Note: labels are not to scale)

**1. Precaution: WARNING: FLAMMABLE LIQUID AND VAPOR. IRRITANT. HARMFUL.** Causes eye irritation. Harmful if swallowed, may enter lungs if swallowed or vomited. Prolonged or repeated skin contact may cause drying, cracking or irritation. High vapour concentrations may cause dizziness and loss of consciousness. May cause respiratory irritation. May cause drowsiness or dizziness. May cause depression of the central nervous system. May cause depression of the respiratory system. May cause depression of the respiratory system. May cause depression of the respiratory system. May cause depression of the respiratory system.

**2. Precaution: AVOID CONTACT.** Highly flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause depression of the central nervous system. May cause depression of the respiratory system. May cause depression of the respiratory system. May cause depression of the respiratory system. May cause depression of the respiratory system.

**3. Precaution: Evitar el contacto.** Líquido y vapores altamente inflamables. Puede ser nocivo en caso de ingestión o por penetración. Puede causar irritación ocular. Puede causar irritación de la piel. Puede causar irritación de las vías respiratorias. Puede causar somnolencia o vértigo. Puede causar depresión del sistema nervioso central. Puede causar depresión del sistema respiratorio. Puede causar depresión del sistema respiratorio. Puede causar depresión del sistema respiratorio. Puede causar depresión del sistema respiratorio.

**4. Precaution: 危険。** 高度易燃液体和蒸气。吞服并进入呼吸道可能有害。造成皮肤刺激。可能引起呼吸刺激。可能引起昏昏欲睡或头晕。造成严重眼刺激。可能造成呼吸刺激。可能造成皮肤干燥或开裂。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。

**5. Precaution: 危險。** 高度易燃液体和蒸气。吞服并进入呼吸道可能有害。造成严重眼刺激。可能造成呼吸刺激。可能造成皮肤干燥或开裂。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway, Suite #200, Center Valley, PA 18034 USA  
Tel (610) 573-2600  
[www.avantormaterials.com](http://www.avantormaterials.com)

Safety Data Sheet available at [www.avantormaterials.com](http://www.avantormaterials.com)

## 4L 30XX-XX

### Isopropyl Alcohol

Suitable for Liquid Chromatography and UV Spectrophotometry

**ChromAR®**  
CH<sub>3</sub>CHOHCH<sub>3</sub>

**Batch No.** \_\_\_\_\_

**Manufactured Date:** YYYY/MM/DD

**Expiration Date:** YYYY/MM/DD

Meets A.C.S. Specifications

Assay (CH<sub>3</sub>CHOHCH<sub>3</sub>) ≥ 99.7%  
Carbonyl Compound: Propionaldehyde ≤ 0.002%  
Acetone ≤ 0.002%  
Color (ALPHA) ≤ 1.0  
Residue after Evaporation ≤ 0.0005%  
Solubility in H<sub>2</sub>O  
Titrable Acid or Base (meq/g) Water (H<sub>2</sub>O) (By Karl Fischer titrim) ≤ 0.001  
Ultraviolet Absorbance (1.00-cm cell vs. water): 205 nm ≤ 1.00  
Ultraviolet Absorbance (1.00-cm cell vs. water): 210 nm ≤ 1.00  
Ultraviolet Absorbance (1.00-cm cell vs. water): 220 nm ≤ 0.30  
Ultraviolet Absorbance (1.00-cm cell vs. water): 230 nm ≤ 0.15  
Ultraviolet Absorbance (1.00-cm cell vs. water): 245 nm ≤ 0.08  
Ultraviolet Absorbance (1.00-cm cell vs. water): 254 nm ≤ 0.02

**FLASH POINT:** 12°C (54°F) (Closed Cup)  
**DOT Name:** ISOPROPANOL UN1219

**CAS NO:** 67-63-0

**Made in USA**

WARNING: This product contains chemicals known to the state of California to cause cancer.

**Safety Data Sheet available at [www.avantormaterials.com](http://www.avantormaterials.com)**

MPO # Rev # E24

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway - Suite #200 - Center Valley, PA 18034  
Tel (610) 573-2600 - [www.avantormaterials.com](http://www.avantormaterials.com)

**1. Precaution: WARNING: FLAMMABLE LIQUID AND VAPOR. IRRITANT. HARMFUL.** Causes eye irritation. Harmful if swallowed, may enter lungs if swallowed or vomited. Prolonged or repeated skin contact may cause drying, cracking or irritation. SEE MATERIAL SAFETY DATA SHEET

**2. Precaution: AVOID CONTACT.** Highly flammable liquid and vapor. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

**3. Precaution: Preigro. Líquido e vapores altamente inflamáveis. Pode ser nocivo em caso de ingestão e por penetração. Causa irritação ocular séria. Pode causar irritação respiratória.**

**4. Precaution: 危險。** 高度易燃液体和蒸气。吞服并进入呼吸道可能有害。造成严重眼刺激。可能引起呼吸刺激。可能造成皮肤干燥或开裂。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。

**5. Precaution: 危險。** 高度易燃液体和蒸气。吞服并进入呼吸道可能有害。造成严重眼刺激。可能造成呼吸刺激。可能造成皮肤干燥或开裂。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。造成中枢神经系统抑制。

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway, Suite #200, Center Valley, PA 18034 USA  
Tel (610) 573-2600  
[www.avantormaterials.com](http://www.avantormaterials.com)

Safety Data Sheet available at [www.avantormaterials.com](http://www.avantormaterials.com)

## 500 mL 30XX-XX

### Isopropyl Alcohol

Suitable for Liquid Chromatography and UV Spectrophotometry

**ChromAR®**  
CH<sub>3</sub>CHOHCH<sub>3</sub>

**Batch No.** \_\_\_\_\_

**Manufactured Date:** YYYY/MM/DD

**Expiration Date:** YYYY/MM/DD

Meets A.C.S. Specifications

Assay (CH<sub>3</sub>CHOHCH<sub>3</sub>) ≥ 99.7%  
Carbonyl Compound: Propionaldehyde ≤ 0.002%  
Acetone ≤ 0.002%  
Color (ALPHA) ≤ 1.0  
Residue after Evaporation ≤ 0.0005%  
Solubility in H<sub>2</sub>O  
Titrable Acid or Base (meq/g) Water (H<sub>2</sub>O) (By Karl Fischer titrim) ≤ 0.001  
Ultraviolet Absorbance (1.00-cm cell vs. water): 205 nm ≤ 1.00  
Ultraviolet Absorbance (1.00-cm cell vs. water): 210 nm ≤ 1.00  
Ultraviolet Absorbance (1.00-cm cell vs. water): 220 nm ≤ 0.30  
Ultraviolet Absorbance (1.00-cm cell vs. water): 230 nm ≤ 0.15  
Ultraviolet Absorbance (1.00-cm cell vs. water): 245 nm ≤ 0.08  
Ultraviolet Absorbance (1.00-cm cell vs. water): 254 nm ≤ 0.02

**FLASH POINT:** 12°C (54°F) (Closed Cup)  
**DOT Name:** ISOPROPANOL UN1219

**CAS NO:** 67-63-0

**Made in USA**

WARNING: This product contains chemicals known to the state of California to cause cancer.

**Safety Data Sheet available at [www.avantormaterials.com](http://www.avantormaterials.com)**

MPO # Rev # E24

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway, Suite #200 - Center Valley, PA 18034  
Tel (610) 573-2600 - [www.avantormaterials.com](http://www.avantormaterials.com)

**Sodium Phosphate, Monobasic, Monohydrate, Crystal.**  
**CAUTION!** Product dust may be irritating to eyes, skin and respiratory system. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed. SEE MATERIAL SAFETY DATA SHEET

**PHOSPHATE DE SODIUM MONOBASIQUE MONOHYDRATÉ.**  
**PRÉCAUTION!** Les poussières de produit peuvent être irritantes pour les yeux, la peau et l'appareil respiratoire. Évitez de respirer de la poussière. Éviter le contact avec les yeux, la peau et les vêtements. Utiliser uniquement avec une ventilation appropriée. Lavez vigoureusement après manipulation. Gardez le contenant fermé. VOIR FICHE SIGNALÉTIQUE

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway, Suite #200, Center Valley, PA 18034 USA  
Tel (610) 573-2600  
[www.avantormaterials.com](http://www.avantormaterials.com)

Safety Data Sheet available at [www.avantormaterials.com](http://www.avantormaterials.com)

## 100 mL 78XX-XX

### Sodium Phosphate, Monobasic, Monohydrate, Granular

**AR® (ACS)**  
NaH<sub>2</sub>PO<sub>4</sub>·H<sub>2</sub>O

**Batch No.** \_\_\_\_\_

**Manufactured Date:** YYYY/MM/DD

**Expiration Date:** YYYY/MM/DD

Meets A.C.S. Specifications  
For Laboratory, Research or Manufacturing Use

**CAS NO:** 10049-21-5

**Made in USA**

MPO # Rev # E24

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway - Center Valley, PA 18034  
Tel (610) 573-2600 - [www.avantormaterials.com](http://www.avantormaterials.com)

**Water**  
Not applicable. Keep container closed. FIRST AID: Not applicable. SEE MATERIAL SAFETY DATA SHEET

**Water**  
Not applicable. Gardez le contenu fermé. PREMIERS SECOURS: Not applicable. VOIR FICHE SIGNALÉTIQUE

**Safety data available at [www.avantormaterials.com](http://www.avantormaterials.com)**

## 10 g H4XX-XX

### Water

**AR® (ACS)**  
H<sub>2</sub>O

**Batch No.** \_\_\_\_\_

**Manufactured Date:** YYYY/MM/DD

**Expiration Date:** YYYY/MM/DD

For Laboratory, Research or Manufacturing Use

**CAS NO:** 7732-18-5

**Made in USA**

MPO # Rev # E24

**Avantor Performance Materials, Inc.**  
3477 Corporate Parkway, Suite 200  
Center Valley, PA 18034  
Tel (610) 573-2600  
[www.avantormaterials.com](http://www.avantormaterials.com)

# New Macron Fine Chemicals™ Brand Labels

(Note: labels are not to  
scale)

**2. Hazard** **DANGER/FLAMMABLE LIQUID AND VAPOR** Causes serious eye irritation. H<sub>228</sub> Flammable. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**3. Hazard** **H228: Flammable liquid and vapor.** H314: Causes skin burns and eye irritation. P241: Wear eye protection. P280: Wear protective gloves. P301+P312: If swallowed, rinse mouth with water. P303+P361+P353: If on skin or hair, wash thoroughly with soap and water. P305+P351+P338: In case of eye contact, rinse immediately with plenty of water for several minutes. P501: Dispose of contents and container in accordance with local regulations.

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200  
Canton, MA 01864, USA  
Tel: 910 573 2600  
[www.avoranormaterials.com](http://www.avoranormaterials.com)

## 4 x 4 L 30XX-XX Isopropyl Alcohol

For use in Liquid Chromatography including HPLC and UHPLC and Gas/Liquid Chromatography.

**BAKER ANALYZED™ HPLC Solvent**  
CH<sub>3</sub>CHOHCH<sub>3</sub>, FW 60.10

**FLASH POINT: 12°C (54°F) (Closed Cup)**  
**DOT Name: ISOPROPANOL**  
**UN1219**

**CAS No: 67-63-0**

**Made in USA**

WARNING: This product contains chemical(s) known to the state of California to cause cancer:

MPO #  
Box #  
E24

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200 - Canton, MA 01864  
Tel: 910 573 2600 - [www.avoranormaterials.com](http://www.avoranormaterials.com)

**FLAMMABLE LIQUID**

**3**

**NO GHS LABEL**

**2. Precaution** **DANGER:** Highly flammable liquid and vapor. Causes serious eye irritation. H<sub>228</sub> Flammable liquid and vapor. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**3. Precaution** **Prepa:** Liquid is vaporous atmosphere. Flammable. Causes serious eye irritation. H<sub>228</sub> Flammable liquid and vapor. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**2. Precaution** **Prepa:** 液体は蒸気状の大気中に揮発する。可燃性。原因: 目をひどく刺激し、皮膚をひどくやけどさせ、目を刺激する。H<sub>228</sub> 可燃性液体及び蒸気。H<sub>314</sub> 皮膚をひどくやけどさせ、目を刺激する。P<sub>241</sub> 目を保護するための防護眼鏡を必ず着用する。P<sub>280</sub> 手袋を着用する。P<sub>301+P312</sub> 誤って飲み込んだ場合は、水を飲まずに口をすすぎ、水を飲んで吐き出す。P<sub>303+P361+P353</sub> 皮膚や衣服に付いた場合は、石鹸と水でよく洗い流す。P<sub>305+P351+P338</sub> 目に付いたら、少なくとも5分間、大量の水で洗い流す。P<sub>501</sub> 内容物と容器を、地域の規制に準って廃棄する。

**2. Precaution** **Prepa:** 液体は蒸気状の大気中に揮発する。可燃性。原因: 目をひどく刺激し、皮膚をひどくやけどさせ、目を刺激する。H<sub>228</sub> 可燃性液体及び蒸気。H<sub>314</sub> 皮膚をひどくやけどさせ、目を刺激する。P<sub>241</sub> 目を保護するための防護眼鏡を必ず着用する。P<sub>280</sub> 手袋を着用する。P<sub>301+P312</sub> 誤って飲み込んだ場合は、水を飲まずに口をすすぎ、水を飲んで吐き出す。P<sub>303+P361+P353</sub> 皮膚や衣服に付いた場合は、石鹸と水でよく洗い流す。P<sub>305+P351+P338</sub> 目に付いたら、少なくとも5分間、大量の水で洗い流す。P<sub>501</sub> 内容物と容器を、地域の規制に準って廃棄する。

**MACRON FINE CHEMICALS™**

**BATCH No.**  
Manufactured Date: YYYYMMDD  
Expiration Date: YYYYMMDD

For Laboratory Research or Manufacturing Use

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200 - Canton, MA 01864  
Tel: 910 573 2600 - [www.avoranormaterials.com](http://www.avoranormaterials.com)



\*455627041402\*

**2. Hazard** **DANGER/FLAMMABLE LIQUID AND VAPOR** Causes serious eye irritation. H<sub>228</sub> Flammable. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**3. Hazard** **H228: Flammable liquid and vapor.** H314: Causes skin burns and eye irritation. P241: Wear eye protection. P280: Wear protective gloves. P301+P312: If swallowed, rinse mouth with water. P303+P361+P353: If on skin or hair, wash thoroughly with soap and water. P305+P351+P338: In case of eye contact, rinse immediately with plenty of water for several minutes. P501: Dispose of contents and container in accordance with local regulations.

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200  
Canton, MA 01864, USA  
Tel: 910 573 2600  
[www.avoranormaterials.com](http://www.avoranormaterials.com)

## 6 x 500 mL 20XX-XX Hydrochloric Acid

N.F., F.C.C., A.C.S.

HCl, FW 36.46

**CAUTION** Manufactured Product  
Meets N.F. Specifications,  
Meets F.C.C. Specifications,  
Meets A.C.S. Specifications

**BATCH No.**  
Manufactured Date: YYYYMMDD  
Expiration Date: YYYYMMDD

For Laboratory Research or Manufacturing Use

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200 - Canton, MA 01864  
Tel: 910 573 2600 - [www.avoranormaterials.com](http://www.avoranormaterials.com)

**CORROSIVE**

**8**

**2. Precaution** **DANGER:** Highly flammable liquid and vapor. Causes serious eye irritation. H<sub>228</sub> Flammable liquid and vapor. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**3. Precaution** **Prepa:** Liquid is vaporous atmosphere. Flammable. Causes serious eye irritation. H<sub>228</sub> Flammable liquid and vapor. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**2. Precaution** **Prepa:** 液体は蒸気状の大気中に揮発する。可燃性。原因: 目をひどく刺激し、皮膚をひどくやけどさせ、目を刺激する。H<sub>228</sub> 可燃性液体及び蒸気。H<sub>314</sub> 皮膚をひどくやけどさせ、目を刺激する。P<sub>241</sub> 目を保護するための防護眼鏡を必ず着用する。P<sub>280</sub> 手袋を着用する。P<sub>301+P312</sub> 誤って飲み込んだ場合は、水を飲まずに口をすすぎ、水を飲んで吐き出す。P<sub>303+P361+P353</sub> 皮膚や衣服に付いた場合は、石鹸と水でよく洗い流す。P<sub>305+P351+P338</sub> 目に付いたら、少なくとも5分間、大量の水で洗い流す。P<sub>501</sub> 内容物と容器を、地域の規制に準って廃棄する。

**2. Precaution** **Prepa:** 液体は蒸気状の大気中に揮発する。可燃性。原因: 目をひどく刺激し、皮膚をひどくやけどさせ、目を刺激する。H<sub>228</sub> 可燃性液体及び蒸気。H<sub>314</sub> 皮膚をひどくやけどさせ、目を刺激する。P<sub>241</sub> 目を保護するための防護眼鏡を必ず着用する。P<sub>280</sub> 手袋を着用する。P<sub>301+P312</sub> 誤って飲み込んだ場合は、水を飲まずに口をすすぎ、水を飲んで吐き出す。P<sub>303+P361+P353</sub> 皮膚や衣服に付いた場合は、石鹸と水でよく洗い流す。P<sub>305+P351+P338</sub> 目に付いたら、少なくとも5分間、大量の水で洗い流す。P<sub>501</sub> 内容物と容器を、地域の規制に準って廃棄する。

**MACRON FINE CHEMICALS™**

**BATCH No.**  
Manufactured Date: YYYYMMDD  
Expiration Date: YYYYMMDD

For Laboratory Research or Manufacturing Use

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200 - Canton, MA 01864  
Tel: 910 573 2600 - [www.avoranormaterials.com](http://www.avoranormaterials.com)



\*455627041402\*

**2. Hazard** **DANGER/FLAMMABLE LIQUID AND VAPOR** Causes serious eye irritation. H<sub>228</sub> Flammable. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**3. Hazard** **H228: Flammable liquid and vapor.** H314: Causes skin burns and eye irritation. P241: Wear eye protection. P280: Wear protective gloves. P301+P312: If swallowed, rinse mouth with water. P303+P361+P353: If on skin or hair, wash thoroughly with soap and water. P305+P351+P338: In case of eye contact, rinse immediately with plenty of water for several minutes. P501: Dispose of contents and container in accordance with local regulations.

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200  
Canton, MA 01864, USA  
Tel: 910 573 2600  
[www.avoranormaterials.com](http://www.avoranormaterials.com)

## 200 L 30XX-XX Isopropyl Alcohol

For use in Liquid Chromatography including HPLC and UHPLC and Gas/Liquid Chromatography.

**BAKER ANALYZED™ HPLC Solvent**  
CH<sub>3</sub>CHOHCH<sub>3</sub>, FW 60.10

**FLASH POINT: 12°C (54°F) (Closed Cup)**  
**DOT Name: ISOPROPANOL**  
**UN1219**

**CAS No: 67-63-0**

**Made in USA**

WARNING: This product contains chemical(s) known to the state of California to cause cancer:

MPO #  
Box #  
E24

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200 - Canton, MA 01864  
Tel: 910 573 2600 - [www.avoranormaterials.com](http://www.avoranormaterials.com)

**NO GHS LABEL**

**NO GHS LABEL**

**2. Precaution** **DANGER:** Highly flammable liquid and vapor. Causes serious eye irritation. H<sub>228</sub> Flammable liquid and vapor. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**3. Precaution** **Prepa:** Liquid is vaporous atmosphere. Flammable. Causes serious eye irritation. H<sub>228</sub> Flammable liquid and vapor. H<sub>314</sub> Causes skin burns and eye irritation. P<sub>241</sub> Wear eye protection. P<sub>280</sub> Wear protective gloves. P<sub>301+P312</sub> If swallowed, rinse mouth with water. P<sub>303+P361+P353</sub> If on skin or hair, wash thoroughly with soap and water. P<sub>305+P351+P338</sub> In case of eye contact, rinse immediately with plenty of water for several minutes. P<sub>501</sub> Dispose of contents and container in accordance with local regulations.

**2. Precaution** **Prepa:** 液体は蒸気状の大気中に揮発する。可燃性。原因: 目をひどく刺激し、皮膚をひどくやけどさせ、目を刺激する。H<sub>228</sub> 可燃性液体及び蒸気。H<sub>314</sub> 皮膚をひどくやけどさせ、目を刺激する。P<sub>241</sub> 目を保護するための防護眼鏡を必ず着用する。P<sub>280</sub> 手袋を着用する。P<sub>301+P312</sub> 誤って飲み込んだ場合は、水を飲まずに口をすすぎ、水を飲んで吐き出す。P<sub>303+P361+P353</sub> 皮膚や衣服に付いた場合は、石鹸と水でよく洗い流す。P<sub>305+P351+P338</sub> 目に付いたら、少なくとも5分間、大量の水で洗い流す。P<sub>501</sub> 内容物と容器を、地域の規制に準って廃棄する。


**2. Precaution** **Prepa:** 液体は蒸気状の大気中に揮発する。可燃性。原因: 目をひどく刺激し、皮膚をひどくやけどさせ、目を刺激する。H<sub>228</sub> 可燃性液体及び蒸気。H<sub>314</sub> 皮膚をひどくやけどさせ、目を刺激する。P<sub>241</sub> 目を保護するための防護眼鏡を必ず着用する。P<sub>280</sub> 手袋を着用する。P<sub>301+P312</sub> 誤って飲み込んだ場合は、水を飲まずに口をすすぎ、水を飲んで吐き出す。P<sub>303+P361+P353</sub> 皮膚や衣服に付いた場合は、石鹸と水でよく洗い流す。P<sub>305+P351+P338</sub> 目に付いたら、少なくとも5分間、大量の水で洗い流す。P<sub>501</sub> 内容物と容器を、地域の規制に準って廃棄する。

**MACRON FINE CHEMICALS™**

**BATCH No.**  
Manufactured Date: YYYYMMDD  
Expiration Date: YYYYMMDD

For Laboratory Research or Manufacturing Use

**Avantor Performance Materials, Inc.**  
2417 Corporate Parkway, Suite 200 - Canton, MA 01864  
Tel: 910 573 2600 - [www.avoranormaterials.com](http://www.avoranormaterials.com)



\*455627041402\*