SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
FAST BREAK™ Routine Wood Cleaner

Other means of identification
1603

Recommended use
Detergent.

Recommended restrictions
For commercial and industrial use only.

Manufacturer / Importer / Supplier / Distributor Information

Company Name
National Chemical Laboratories of PA, Inc.

Address
401 N. 10th Street - Philadelphia, PA 19123

Telephone
1 (215) 922-1200

Supplier Email
info@nclonline.com

Contact
CHEM-TEL

Emergency Phone
1 (800) 255-3924

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

Physical Hazards
Classification
Flammable Liquids

Category
3

Health Hazards
Not Classified

OSHA defined hazards
Not Classified.

Label Elements

Hazard Symbol

Signal Word
Warning

Hazard Statement
Flammable liquid and vapor.

Precautionary statement
Prevention

Response
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use appropriate media to extinguish.

Storage
Store in a well-ventilated place. Keep cool.

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
None known.

Section 3 - Composition/Information on ingredients

Mixture
Hazardous Components
Ingredient Name

CAS #
%

1-Methoxy-2-Propanol
107-98-2
5 - 10

2-Propanol
67-63-0
5 - 10

Section 4 - First-aid Measures

Inhalation
If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if irritation persists.

Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Get medical attention if irritation persists.

Most Important symptoms/effects, acute and delayed
Direct contact with eyes may cause temporary irritation.
SAFETY DATA SHEET

Section 5 - Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment /instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

General fire hazards
Flammable liquid and vapor.

Specific Methods
Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. SMALL SPILLS Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination. LARGE SPILLS: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling
Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities
Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Refrigeration recommended. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>980 mg/m³, 400 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-Propanol (CAS 107-98-2)</td>
<td>STEL</td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol (CAS 107-98-2)</td>
<td>TWA</td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>400 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>200 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-Propanol (CAS 107-98-2)</td>
<td>TWA</td>
<td>360 mg/m³, 100 ppm</td>
<td></td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol (CAS 107-98-2)</td>
<td>STEL</td>
<td>540 mg/m³, 150 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>IDLH</td>
<td>2000 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m³, 500 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>980 mg/m³, 400 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**US. ACGIH, BEIs. Biological Exposure Indices**

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
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<tr>
<td>1-Methoxy-2-Propanol (CAS 107-98-2)</td>
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<td>STEL</td>
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<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>IDLH</td>
<td>2000 ppm</td>
<td></td>
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<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m³, 500 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>980 mg/m³, 400 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
SAFETY DATA SHEET

General hygiene considerations
When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Respiratory protection
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. No personal respiratory protective equipment normally required.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

Individual protection measures, such as personal protective equipment
Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Hand protection
Wear appropriate chemical resistant gloves.

Other
Wear suitable protective clothing.

Respiratory protection
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. No personal respiratory protective equipment normally required.

General hygiene considerations
When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 - Physical and chemical properties

Appearance
Thin, clear blue colored liquid.

Physical state
Liquid.

Form
Thin liquid.

Color
Blue.

Odor
Alcohol.

Odor threshold
Not available.

pH
7.6

Melting point/freezing point
Not available.

Initial boiling point and boiling range
178 - 212 °F (81.11 - 100 °C)

Flash point
102 °F (38.9 °C) Tag Closed Cup

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Similar to water.

Vapor density
Similar to water.

Relative density
0.99 ± 0.01

Relative density temperature
75 °F (23.89 °C)

Solubilities
Not available.

Partition Coefficient n-octanol/water
Not available

Auto-ignition temperature
Not Available

Decomposition temperature
Not Available

Viscosity
< 10 cP

Viscosity Temperature
75 °F (23.89 °C)

Section 10 - Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Conditions to Avoid
Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials
Strong acids. Strong oxidizing agents, isocyanates. Chlorine
Hazardous Decomposition Products
No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Prolonged inhalation may be harmful.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No adverse effects due to skin contact are expected.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td>Symptoms related to the physical, chemical and toxicological characteristics</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects.

Acute toxicity     Not expected to be acutely toxic.
Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.
Respiratory sensitization This product is not expected to cause respiratory sensitization.
Skin sensitization This product is not expected to cause skin sensitization.
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive toxicity This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure Not classified.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not available.
Chronic effects Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water log (Kow)

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Mobility in soil No data available.
Mobility in general No data available.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 - Disposal considerations

Disposal instructions Dispose in accordance with applicable federal, state, and local regulations.
Local disposal regulations Dispose of in accordance with local regulations.
Hazardous waste code Waste codes should be assigned by the user based on the application for which the product was used.
Waste from residues / unused products Dispose in accordance with all applicable regulations.
Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT

<table>
<thead>
<tr>
<th>Unnumber</th>
<th>Proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Subsidiary class(es)</th>
<th>Packing group</th>
<th>Special precautions for user</th>
<th>Special provisions</th>
<th>Packaging exemption</th>
<th>Packaging non bulk</th>
<th>Packaging bulk</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1987</td>
<td>ALCOHOLS, N.O.S. (2-PROPANOL, 1-Methoxy-2-propanol)</td>
<td>3</td>
<td>-</td>
<td>III</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
<td>B1, BS2, IB3, T4, TP1, TP29</td>
<td>150</td>
<td>203</td>
<td>242</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

IATA
UN number UN1987
UN proper shipping name ALCOHOLS, N.O.S. (2-PROPANOL, 1-Methoxy-2-propanol)
Transport hazard class(es) 3
Subsidiary class(es) -
Packaging group III
Labels required 3
ERG Code 3L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Other Information

IMDG
UN number UN1987
UN proper shipping name ALCOHOLS, N.O.S. (2-PROPANOL, 1-Methoxy-2-propanol)
Transport hazard class(es) 3
Subsidiary class(es) -
Packaging group III
Environmental hazards No
Marine pollutant No
Labels required 3
EmS F-E, S-E
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code
This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D) Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories
Immediate Hazard No
Delayed Hazard No
Fire Hazard Yes
Pressure Hazard No
Reactivity Hazard No
SARA 302 Extremely hazardous substance Not listed.
SARA 311/312 Hazardous chemical Yes
SARA 313 (TRI reporting)

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
Drug Enforcement Administration (DEA), List 1 2 Not regulated.
Exempt Chemical Mixtures (21 CFR 1310.12(c)) Not regulated.
DEA Exempt Chemical Mixtures Code Number Not regulated.
Safe Drinking Water Act (SDWA) Not regulated.
Food and Drug Administration (FDA) Not regulated.

US state regulations
US. Massachusetts RTK - Substance List Components
1-Methoxy-2-Propanol (CAS 107-98-2)
2-Propanol (CAS 67-63-0)
US. New Jersey Worker and Community Right-to-Know Act Components
1-Methoxy-2-Propanol (CAS 107-98-2)
2-Propanol (CAS 67-63-0)
US. Pennsylvania RTK - Hazardous Substances Components
1-Methoxy-2-Propanol (CAS 107-98-2)
2-Propanol (CAS 67-63-0)
US. Rhode Island RTK
US - California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories
Country(s) or region Inventory Name On Inventory (yes/no)*

FAST BREAK™ Routine Wood Cleaner 1603 Page 5 of 6
<table>
<thead>
<tr>
<th>Country</th>
<th>Inventory Description</th>
<th>Compliant?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>United States Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Section 16 - Other information, including date of preparation or last version**

| Issue date | 10/15/2014 |
| Version #   | 01          |
| Disclaimer  | The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer’s control, it is the user’s responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product’s improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance. |