SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
BIO-KLEEN PLUS™ Protein Spot and Stain Remover

Other means of identification
0680

Recommended use
Enzyme cleaner.

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

Physical Hazards
Classification
Not Classified

Health Hazards
Classification
Not Classified

Health Hazards
Classification
Not Classified

OSHA defined hazards
Not Classified.

Label Elements

Hazard Symbol
None.

Signal Word
None

Hazard Statement
The mixture does not meet the criteria for classification.

Precautionary statement
Prevention
Observe good industrial hygiene practices.

Response
Wash thoroughly after handling.

Storage
Store away from incompatible materials.

Disposal
Dispose of waste and residues in accordance with local authority requirements.

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

Section 3 - Composition/Information on ingredients

Mixture
Components not listed are either non-hazardous or are below reportable limits according to OSHA 29 CFR 1910.1200.

Section 4 - First-aid Measures

Inhalation
Move to fresh air. Get medical attention if irritation persists.

Skin contact
Wash with plenty of soap and water. Get medical attention if irritation persists.

Eye contact
Rinse with water. Get medical attention if irritation persists.

Ingestion
Rinse mouth. Get medical attention if irritation persists.

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

Indication of immediate medical attention and special treatment
Treat symptomatically.

General Information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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
During fire, gases hazardous to health may be formed.
SAFETY DATA SHEET

Specific hazards arising from the chemical

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
Move containers from fire area if you can do it without risk.

General fire hazards
No unusual fire or explosion hazards noted.

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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
This product is miscible in water.
SMALL SPILLS: Wipe up with absorbent material (e.g. cloth, fleece). 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. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, 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
Avoid prolonged exposure.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits
No exposure limits noted for ingredient(s).

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection
If use of product risks exposure to contact, wear safety glasses with side shields.

Skin protection

Hand protection
Impervious gloves are recommended for prolonged use.

Other
If use of product risk exposure to contact, wear suitable protective clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
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
Liquid.

Physical state
Liquid.

Form
Opaque Liquid.

Color
White.

Odor
Floral (Giane™).

Odor threshold
Not available.

pH
8.0

Melting point/freezing point
Not available.

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

Flash point
> 212.0 °F (> 100.0 °C) Tag Open 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.
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  Contact with incompatible materials.
Incompatible materials  Strong oxidizing agents.
Hazardous Decomposition Products  No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

Inhalation  No adverse effects due to inhalation are expected.
Skin contact  No adverse effects due to skin contact are expected.
Eye contact  Direct contact with eyes may cause temporary irritation.
Direct contact with eyes may cause temporary irritation.
Taking the physical, chemical and toxicological characteristics

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.
Carcinogenicity  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
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.
Further information  This product has no known adverse effect on human health.

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.
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: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Transportation in bulk: This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations: This product is not known to be 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) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories
- Immediate Hazard: No
- Delayed Hazard: No
- Fire Hazard: No
- Pressure Hazard: No
- Reactivity Hazard: No

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting): Not regulated.

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.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List Not regulated.

US. New Jersey Worker and Community Right-to-Know Act Not listed.

US. Pennsylvania RTK - Hazardous Substances Not listed.

US. Rhode Island RTK Not regulated.

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
- Australia
- Canada
- Canada
- China
- Europe
- Europe
- Japan
- Korea
- New Zealand
- Philippines
- United States
- Puerto Rico

Inventory Name
- Australian Inventory of Chemical Substances (AICS)
- Domestic Substances List (DSL)
- Non-Domestic Substances List (NDSL)
- Inventory of Existing Chemical Substances in China (IECSC)
- European Inventory of Existing Commercial Chemical Substances (EINECS)
- European List of Notified Chemical Substances (ELINCS)
- Inventory of Existing and New Chemical Substances (ENCS)
- Existing Chemicals List (ECL)
- New Zealand Inventory
- Philippine Inventory of Chemicals and Chemical Substances
- Toxic Substances Control Act (TSCA) Inventory

On Inventory (yes/no)*
- Yes
- Yes
- No
- Yes
- No
- Yes
- Yes
- Yes
- Yes
- Yes

*“Yes” indicates this product complies with the inventory requirements administered by the governing country(s).

*“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

Revision date: 1/17/2018

Version #: 02
Disclaimer

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