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Material Safety Data Sheet  
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Document id : 28-7258-8 Issue date : 2012/12/20  
Version : 6.00 Supersedes date : 2011/10/28

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1 Chemical Product and Company Identification  
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Tradename:

3M(TM) Neutral Cleaner Concentrate (Product No. 3, Twist 'n  
Fill(TM) System)

Product ID:

70-0715-9192-2 70-0715-9193-0 70-0715-9194-8 XN-1015-7812-0  
70-0715-9195-5

Intended Use of Product:

Hard Surface Cleaner

Division:

ND - Building & Commercial Services Division

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2 Hazards Identification  
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Critical Hazards:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

See Sections 7 and 11 for further information.

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3 Composition/Information on Ingredients  
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Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	60 - 90
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	68439-51-0	3 - 7
ALCOHOL ETHOXYLATES	68439-46-3	3 - 7
Surfactant	Trade Secret	0.5 - 1.5
Fragrance Added	Trade Secret	0.1 - 1.0

NOTE:

SURFACTANT is a Trade Secret material which is not controlled according to WHMIS criteria.

Fragrance is a Trade Secret material which is not controlled according to WHMIS criteria.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

This product meets the Green Seal™ standard for industrial and institutional cleaners based on its reduced human and environmental toxicity and reduced volatile organic compound content.

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4 First Aid Measures  
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Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 30 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water for at least 20 minutes or until chemical is removed. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

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5 Fire Fighting Measures  
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Flash point:	96.1 C Setaflash CC
Lower Explosive Limit (%):	No data available.
Upper Explosive Limit (%):	No data available.
Autoignition temperature:	No data available.
Suitable Extinguishing Media:	

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards during Fire:

Material will not burn.

Combustion Products from Fire:

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 0

NFPA: Reactivity 0

NFPA: Unusual Reaction Hazard

none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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## 6 Accidental Release Measures

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Personal Precautions:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry

into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with water.

Spill Response:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

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## 7 Handling and Storage

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### Storage Requirements:

No data available.

### Incompatible Materials:

Store away from heat;  
Sparks and/or Flames;  
Store out of direct sunlight.  
Store away from oxidizing agents.

### Ventilation:

Keep container in well-ventilated area.

### Use Instructions:

This product is not intended to be used without prior dilution as specified on the product label.  
Avoid contact with oxidizing agents.

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## 8 Exposure Controls/Personal Protection

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### Personal Protection

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#### Eye Protection:

Avoid eye contact.

NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, eye contact with the concentrate is not expected to occur.

If the product is not used with the Twist 'n Fill system or if there is an accidental release, the following eye protection is recommended:

Indirect vented goggles;

#### Hand Protection:

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Avoid skin contact.

NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, skin contact with the concentrate is not expected to occur.

If the product is not used with the Twist 'n Fill system or if there is an accidental release, The following glove material(s) are recommended:

butyl rubber;  
neoprene;

#### Skin Protection:

Avoid skin contact.

NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, skin contact with the concentrate is not expected to occur.

If the product is not used with the Twist 'n Fill system or if there is an accidental release, Select and use gloves and/or

protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, respiratory protection is not required.

If the product is not used with the Twist 'n Fill system or if there is an accidental release, Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P100 particulate prefilters;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use in a well-ventilated area.

NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, special ventilation is not required.

Ingredient Exposure Data

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WATER (7732-18-5)

LD50 (rat, oral)

> 90 ml/kg

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

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No data available.

ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED (68439-51-0)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

ALCOHOL ETHOXYLATES (68439-46-3)

LD50 (rat, oral)

1378 mg/kg

LD50 (dermal, rabbit)

> 2 g/kg

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

Surfactant (Trade Secret)

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

Fragrance Added (Trade Secret)

LD50 (rat, oral) No data available.  
LC50 (rat, inhalation/4 hours) No data available.  
Exposure Limits  
No data available.

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## 9 Physical and Chemical Properties

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Physical form,Color,Odour: Liquid; Clear; Bright colour;  
yellow to green colour;  
citrus odour;  
Odour Threshold: No data available.  
pH: 6 - 7  
Boiling point/boiling range: 93.3 C  
Melting point/melting range: No data available.  
Vapour pressure: < 27 psia at 55 C  
Water Solubility: Complete  
Partition coefficient (K o/w): Not Available  
Specific gravity: 1  
Vapour density: No data available.  
Volatile organic compounds: < 1 % by weight  
Evaporation rate: Approximately 1 Water=1  
Viscosity: < 100 centipoise  
Percent Volatile: Not Available

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## 10 Stability and Reactivity

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Conditions to Avoid:  
Heat;  
Sparks and/or Flames;  
Store out of direct sunlight.  
Materials to Avoid:  
Strong oxidizing agents;  
Hazardous Decomposition:  
Under recommended usage conditions, hazardous decomposition  
products are not expected. Hazardous decomposition products may  
occur as a result of oxidation, heating, or reaction with another  
material.  
Stability and Reactivity:  
Stable. Hazardous polymerization will not occur.

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## 11 Toxicological Information

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Effects from Eye Contact:  
Severe Eye Irritation: Signs/symptoms may include significant  
redness, swelling, pain, tearing, cloudy appearance of the cornea,  
and impaired vision.  
Effects from Skin Contact:  
Moderate Skin Irritation: Signs/symptoms can include localized  
redness, swelling, itching, and dryness.  
Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

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## 12 Ecological Information

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Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

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## 13 Disposal Considerations

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Product as Sold:

Since regulations vary, consult applicable regulations or authorities before disposal.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

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## 14 Transport Information

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### Transportation of Dangerous Goods

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TDG Classification:

Non-Regulated: TDGR Section  
1.33

Regulated by Air and Ocean

Special Information:

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## 15 Regulatory Information

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WHMIS Classification: D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

- AICS - Australian Inventory of Chemical Substances
- DSL - Domestic Substances List (Canada)
- CICS - Chinese Inventory of Chemical Substances
- EINECS - European Inventory of Existing Commercial Chemical Substances
- PICCS - Philippines Inventory of Commercial Chemical Substances

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TSCA - Toxic Substances Control Act (USA)

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16 Other Information  
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Reason for Reissue:

- The following Sections and topics have been updated or revised:
- Section 2 - Hazards Identification - Critical Hazards;
  - Section 3 - Composition/Information on Ingredients;
  - Section 9 - Physical and Chemical Properties;
  - Section 11 - Toxicological Information;
  - Section 15 - Regulatory Information

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