Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

SECTION 1: Identification

1.1. Product identifier

3M™ Neutral Cleaner Concentrate (Product No. 3, 3M™ Chemical Management Systems)

Product Identification Numbers

61-0000-6324-0	61-0000-6325-7	61-0000-6365-3	61-0000-6366-1	61-0000-6403-2
70-0715-9194-8	70-0716-5816-8	70-0716-5855-6	70-0716-5856-4	70-0716-5857-2
70-0716-8340-6	MS-9001-0017-5	UU-0091-3044-2	XN-1015-7812-0	XR-0007-1031-3

1.2. Recommended use and restrictions on use

General Use

This product meets Green Seal™ Standard GS-37 based on effective performance, concentrated volume, minimized/recycled packaging, and protective limits on: VOCs and human & environmental toxicity. GreenSeal.org.

Intended Use

Hard Surface Cleaner

Restrictions on use

Not applicable

1.3. Supplier's details

Company:	3M Canada Company
Division:	Commercial Branding and Transportation Division
Address:	1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1
Telephone:	(800) 364-3577
Website:	www.3M.ca

1.4. Emergency telephone number

Medical Emergency Telephone:1-800-3M HELPS / 1800 364 3577

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Not classified according to the Canadian Hazardous Products Regulation.

2.2. Label elements

Signal word
Not applicable.

Symbols
Not applicable

Pictograms
Not applicable

2.3. Other hazards
None known.

7% of the mixture consists of ingredients of unknown acute oral toxicity.
7% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt	Common Name
Water	7732-18-5	80 - 90	Water
C12-14 Alcohols Ethoxylated Propoxylated	68439-51-0	5 - 8	Alcohols, C12-14, ethoxylated propoxylated
C9-11 ALCOHOLS ETHOXYLATED	68439-46-3	6 - 8	Alcohols, C9-11, ethoxylated
Surfactant	Trade Secret	0.5 - 1	Not Applicable
Fragrance	Trade Secret	< 0.5	Not Applicable
Acid Blue 9	3844-45-9	< 0.2	No Data Available
Dimethicone	63148-62-9	< 0.05	Siloxanes and Silicones, di-Me
Sodium Caboxymethyl Cellulose	9004-32-4	< 0.05	Cellulose, carboxymethyl ether, sodium salt
Yellow 5	1934-21-0	< 0.05	1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[(4-sulfophenyl)azo]-, trisodium salt

Surfactant is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

Fragrance is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:
If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

Eye Contact:
If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

If Swallowed:
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
No critical symptoms or effects. See Section 11.1, information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish. Non-combustible. Use a fire fighting agent suitable for surrounding fire.

5.2. Unsuitable extinguishing media
None Determined

5.3. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

5.4. Special protection actions for fire-fighters
Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA). Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice.

6.2. Environmental precautions
Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
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. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. Not for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label. Grounding or safety shoes with electrostatic dissipating soles (ESD) are not required with a chemical dispensing system. Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store away from heat. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits
No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

8.2. Exposure controls

8.2.1. Engineering controls
NOTE: When used with a chemical dispensing system as directed, special ventilation is not required. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

NOTE: When used with a chemical dispensing system as directed, eye contact with the concentrate is not expected to occur. The following protection(s) are recommended if the product is not used with a chemical dispensing system or if there is an accidental release, wear protective eye/face protection.

Skin/hand protection
NOTE: When used with a chemical dispensing system as directed, skin contact with the concentrate is not expected to occur.

If product is not used with a chemical dispensing system or if there is an accidental release:
Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended:

Respiratory protection

NOTE: When used with a chemical dispensing system as directed, respiratory protection is not required.
If product is not used with a chemical dispensing system or if there is an accidental release:
An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Specific Physical Form:	Liquid

Colour	Green-Yellow
Odour	Moderate Citrus
Odour threshold	*No Data Available*
pH	6 - 7
Melting point/Freezing point	*Not Applicable*
Boiling point	> 96.1 ºC
Flash Point	96.1 ºC [*Test Method:*Closed Cup]
Evaporation rate	Approximately 1 [*Ref Std:*WATER=1]
Flammability	Not Applicable
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*
Vapour Pressure	< 186,158.4 Pa [@ 55 ºC]
Relative Vapour Density	*No Data Available*
Relative density	1
Water solubility	Complete
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*No Data Available*
Autoignition temperature	*No Data Available*
Decomposition temperature	*No Data Available*
Kinematic Viscosity	100 mm2/sec
Volatile Organic Compounds	< 1 % weight
Percent volatile	*No Data Available*
VOC Less H2O & Exempt Solvents	< 70 g/l
Molecular weight	*Not Applicable*

Particle Characteristics	*Not Applicable*

SECTION 10: Stability and reactivity

10.1. Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Heat
Sparks and/or flames

10.5. Incompatible materials
Strong oxidizing agents

10.6. Hazardous decomposition products

Substance	**Condition**
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent regulatory authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:
No health effects are expected.

Skin Contact:
Contact with the skin during product use is not expected to result in significant irritation.

Eye Contact:
Contact with the eyes during product use is not expected to result in significant irritation.

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

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
C9-11 ALCOHOLS ETHOXYLATED	Dermal	similar compounds	LD50 > 2,000 mg/kg
C9-11 ALCOHOLS ETHOXYLATED	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 1.6 mg/l
C9-11 ALCOHOLS ETHOXYLATED	Ingestion	similar compounds	LD50 3,488 mg/kg
Surfactant	Dermal	Rabbit	LD50 > 2,000 mg/kg
Surfactant	Ingestion	Rat	LD50 > 700 mg/kg
Fragrance	Dermal	Rabbit	LD50 > 3,160 mg/kg
Fragrance	Ingestion	Rat	LD50 3,000 mg/kg
Acid Blue 9	Ingestion	Rat	LD50 > 2,000 mg/kg
Acid Blue 9	Dermal	similar health hazards	LD50 estimated to be > 5,000 mg/kg
Yellow 5	Ingestion	Mouse	LD50 12,750 mg/kg
Yellow 5	Dermal	similar health hazards	LD50 estimated to be > 5,000 mg/kg
Dimethicone	Dermal	Multiple animal species	LD50 > 2,000 mg/kg
Dimethicone	Ingestion	Rat	LD50 > 5,000 mg/kg
Sodium Caboxymethyl Cellulose	Dermal	Rabbit	LD50 > 2,000 mg/kg
Sodium Caboxymethyl Cellulose	Ingestion	Rat	LD50 > 27,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
C9-11 ALCOHOLS ETHOXYLATED	similar compounds	Minimal irritation
Surfactant	similar health hazards	Irritant
Fragrance	Rabbit	Irritant
Acid Blue 9	Human	Minimal irritation
Yellow 5	In vitro data	No significant irritation
Dimethicone	Human and animal	No significant irritation
Sodium Caboxymethyl Cellulose	Human	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
C9-11 ALCOHOLS ETHOXYLATED	Professional judgement	Moderate irritant
Surfactant	Professional judgement	Corrosive
Fragrance	Rabbit	Severe irritant
Acid Blue 9	Rabbit	Mild irritant
Dimethicone	Rabbit	No significant irritation
Sodium Caboxymethyl Cellulose	Rabbit	No significant irritation

Skin Sensitization

Name	Species	Value
C9-11 ALCOHOLS ETHOXYLATED	Guinea pig	Not classified
Fragrance	Human and animal	Not classified
Acid Blue 9	Mouse	Not classified
Yellow 5	Mouse	Not classified
Dimethicone	Human and animal	Not classified
Sodium Caboxymethyl Cellulose	Human	Not classified

Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
C9-11 ALCOHOLS ETHOXYLATED	In Vitro	Not mutagenic
Fragrance	In vivo	Not mutagenic
Fragrance	In Vitro	Some positive data exist, but the data are not sufficient for classification
Acid Blue 9	In Vitro	Not mutagenic
Acid Blue 9	In vivo	Not mutagenic
Yellow 5	In Vitro	Not mutagenic
Yellow 5	In vivo	Not mutagenic

Dimethicone	In Vitro	Not mutagenic
Dimethicone	In vivo	Not mutagenic
Sodium Caboxymethyl Cellulose	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Fragrance	Dermal	Mouse	Not carcinogenic
Acid Blue 9	Ingestion	Rat	Not carcinogenic
Yellow 5	Ingestion	Rat	Not carcinogenic
Dimethicone	Dermal	Mouse	Not carcinogenic
Dimethicone	Ingestion	Mouse	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
C9-11 ALCOHOLS ETHOXYLATED	Dermal	Not classified for female reproduction	Rat	NOAEL 250 mg/kg/day	2 generation
C9-11 ALCOHOLS ETHOXYLATED	Dermal	Not classified for development	Rat	NOAEL 250 mg/kg/day	2 generation
C9-11 ALCOHOLS ETHOXYLATED	Dermal	Not classified for male reproduction	Rat	NOAEL 100 mg/kg/day	2 generation
Fragrance	Not Specified	Not classified for development	similar compounds	NOAEL Not available	
Acid Blue 9	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	3 generation
Acid Blue 9	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	3 generation
Acid Blue 9	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	during organogenesis
Yellow 5	Ingestion	Not classified for female reproduction	Rat	NOAEL 3,348 mg/kg/day	1 generation
Yellow 5	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,641 mg/kg/day	1 generation
Yellow 5	Ingestion	Not classified for development	Rat	NOAEL 3,348 mg/kg/day	1 generation
Dimethicone	Ingestion	Not classified for development	Rat	NOAEL 3,800 mg/kg/day	during organogenesis
Dimethicone	Dermal	Not classified for development	Rabbit	NOAEL 1,000 mg/kg/day	during organogenesis
Sodium Caboxymethyl Cellulose	Ingestion	Not classified for female reproduction	Rat	NOAEL 1 g/kg in the diet	3 generation
Sodium Caboxymethyl Cellulose	Ingestion	Not classified for male reproduction	Rat	NOAEL 1 g/kg in the diet	3 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
C9-11 ALCOHOLS ETHOXYLATED	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Surfactant	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	
Fragrance	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for		NOAEL Not available	

			classification			
Fragrance	Inhalation	central nervous system depression	Not classified	Rat	NOAEL 0.4 mg/l	6 hours
Fragrance	Ingestion	central nervous system depression	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
C9-11 ALCOHOLS ETHOXYLATED	Dermal	kidney and/or bladder | heart | hematopoietic system | liver | nervous system | respiratory system	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
Acid Blue 9	Ingestion	heart | skin | endocrine system | gastrointestinal tract | bone, teeth, nails, and/or hair | hematopoietic system | liver | immune system | muscles | nervous system | eyes | kidney and/or bladder | respiratory system | vascular system	Not classified	Rat	NOAEL 1,072 mg/kg/day	30 months
Yellow 5	Ingestion	heart | skin | endocrine system | gastrointestinal tract | bone, teeth, nails, and/or hair | hematopoietic system | liver | immune system | muscles | nervous system | eyes | kidney and/or bladder | respiratory system | vascular system	Not classified	Mouse	NOAEL 8,103 mg/kg/day	104 weeks
Dimethicone	Ingestion	eyes	Not classified	Rat	NOAEL 10%	90 days
Dimethicone	Ingestion	respiratory system	Not classified	Rat	NOAEL 1%	90 days
Dimethicone	Ingestion	gastrointestinal tract	Not classified	Multiple animal species	NOAEL 10%	90 days
Dimethicone	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 10%	90 days
Dimethicone	Ingestion	heart | liver | kidney and/or bladder | vascular system	Not classified	Rat	NOAEL 1%	90 days
Sodium Caboxymethyl Cellulose	Ingestion	blood | kidney and/or bladder	Not classified	Rat	NOAEL 1 g/kg in the diet	25 months

Aspiration Hazard
For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

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

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

SECTION 14: Transport Information

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

SECTION 16: Other information

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.
Health: 1 **Flammability:** 1 **Instability:** 0 **Special Hazards:** 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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ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF PERFORMANCE, COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M Canada SDSs are available at www.3M.ca