



Spartan Chemical Company, Inc.

Material Safety Data Sheet

584004; 584104

▼ SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

NEW GENERATION 40 (PART A)

Product Number: 5840

Product Division:

Janitorial

Spartan Chemical Company, Inc.

1110 Spartan Drive

Maumee OH 43537

Product/Technical
Information: 1-(800)-537-8990

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill
Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous Products	
NFPA Ratings:	
Health:	2 - Moderate
Fire:	1 - Slight
Reactivity:	0 - Minimal
HMIS Ratings:	
Health:	*2 - Moderate; Chronic Hazard
Fire:	1 - Slight
Reactivity:	0 - Minimal
Pers. Prot. Equip.:	See Section VIII

▼ SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	% W	CAS Registry No.	Table Z-1 - A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Bisphenol-A based epoxy	35-40	68334-76-9	Not Established	Not Established	Not Established	No
*2-Propoxyethanol	10-15	2807-30-9	Not Established	Not Established	Not Established	No
Aromatic solvent	1-5	64742-94-5	100 ppm	Not Established	Not Established	No

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

▼ SECTION III: PHYSICAL DATA

Boiling Point:	212 °F	Vapor Pressure:	<1.3 mm Hg @ 75°F
Vapor Density (AIR = 1):	Unknown	Solubility in Water:	Complete
pH:	8.5-9.5	Specific Gravity (H₂O=1):	1.04
Evaporation Rate (but. ace.=1):	<1	Percent Solid by Weight:	40-45
Physical State:	Liquid	Volatile Organic Compounds:	When combined with Part B: 320 g/L
Appearance & Odor:	White, creamy emulsion; slight solvent odor		

▼ SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point:	>200°F	Method Used:	ASTM-D56
Flammable Limits:	N/A	Flame Extension:	N/A
Extinguishing Media:	Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.		
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.		
Unusual Fire & Explosive Hazards:	Closed containers may rupture due to build up of pressure when exposed to extreme heat.		

▼ SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes
Effects of Overexposure-Conditions to Avoid:	<p>Causes eye irritation: Symptoms may include pain, redness, swelling and tearing</p> <p>Causes skin irritation: Symptoms may include redness, pain and swelling.</p> <p>May be harmful if swallowed: Symptoms may include nausea, vomiting, pain and diarrhea.</p> <p>Breathing product vapors may cause respiratory irritation: Symptoms include coughing, headache and nausea. Contains solvents which may cause injury to liver, kidneys, bone marrow, blood cells and central nervous system after repeated overexposure and prolonged use. Exposure to epoxy compounds may cause skin sensitization in some individuals.</p> <p>Avoid contact with eyes and skin. Do not swallow. Avoid breathing product vapor. Wash thoroughly after handling.</p>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye; and respiratory disorders including asthma and dermatitis.		

Emergency & First Aid Procedures:

Eyes:	Flush eyes with water for at least 15 minutes. Remove contact lenses. Get immediate medical attention.
Skin:	Do not allow to cure on skin. Rinse immediately with water and detergent. May cause allergic reaction and /or skin sensitization in some individuals. Get medical attention if irritation persists.
Ingestion:	Call a physician immediately
Inhalation:	In case of respiratory irritation; move person to fresh air.

▼ SECTION VI: REACTIVITY DATA

Stability:	Stable curing reaction is exothermic	Incompatible Materials:	Strong acids; bases; amines and mercaptans can cause polymerization
Hazardous Decomposition Products:	Fumes produced when heated to decomposition may include: Carbon monoxide and carbon dioxide.	Hazardous Polymerization:	Will Not Occur

▼ SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Absorb and collect with inert material and collect for disposal. Flush area with water. Keep spill out of storm sewers and waterways. This material is not defined as a hazardous waste under current RCRA regulations.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

▼ **SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when good general ventilation is provided. However if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Wear neoprene or other impervious gloves.
Eye Protection(Specify Type):	Wear splash goggles.
Other Protective Equipment:	An eye wash facility and/or source of fresh water should be available.

▼ **SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep from freezing.
Other Precautions:	Avoid contact with skin. Do not apply to hot surfaces. Avoid excessive heat.

© SCC 06/08/2009
NEW GENERATION 40 (PART A)

Name: Ronald T. Cook
Effective Date: 06/08/2009

Title: Manager, Regulatory Affairs
Supersedes: 05/03/2006

Ref: 29 CFR 1910.1200 (OSHA) Changes: Update Section I

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

NEW GENERATION 40 (PART B)

Product Number: 5840

Spartan Chemical Company, Inc.

1110 Spartan Drive

Maumee OH 43537

Product Division:

Janitorial

Product/Technical
Information: 1-(800)-537-8990

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill
Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous products	
NFPA Ratings:	
Health:	2 - Moderate
Fire:	1- Slight
Reactivity:	0 - Minimal
HMIS Ratings:	
Health:	*2 - Moderate; Chronic Hazard
Fire:	1- Slight
Reactivity:	0 - Minimal
Pers. Prot. Equip.:	See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	% W	CAS Registry No.	Table Z- 1 - A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Polyamine curing agent	N/A	111-40-0	4.2 (skin)	Not Established	Not Established	No
Polyamine curing agent	N/A	112-24-3	Not Established	Not Established	Not Established	No
Polyamine curing agent	N/A	112-57-2	Not Established	Not Established	Not Established	No
*Ethylene glycol monopropyl ether	25	2807-30-9	Not Established	Not Established	Not Established	No

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

▼ SECTION III: PHYSICAL DATA

Boiling Point:	>212 °F	Vapor Pressure:	<4.0 mm Hg @ 75°F
Vapor Density (AIR = 1):	Unknown	Solubility in Water:	Dilutable
pH:	8.3-9.3	Specific Gravity (H ₂ O=1):	1.04
Evaporation Rate (but.ace.=1):	<1	Percent Solid by Weight:	40
Physical State:	Liquid	Volatile Organic Compounds:	When Combined with Part A: 320g/L
Appearance & Odor:	Thick tan liquid; slight solvent/amine odor		

▼ SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point:	165°F	Method Used:	ASTM-D56
Flammable Limits:	N/A	Flame Extension:	N/A
Extinguishing Media:	Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.		
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.		
Unusual Fire & Explosive Hazards:	Closed containers may rupture due to build up of pressure when exposed to extreme heat.		

▼ SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes
Effects of Overexposure-Conditions to Avoid:	<p>Causes severe eye irritation: Symptoms may include pain, redness, swelling and tearing</p> <p>Causes severe skin irritation: Symptoms may include redness, pain and swelling.</p> <p>Harmful if swallowed: Symptoms may include nausea, vomiting, pain and diarrhea.</p> <p>Breathing product vapors may cause respiratory irritation: Symptoms include coughing, headache and nausea. Contains solvents which may cause injury to liver, kidneys, bone marrow, blood cells and central nervous system after repeated overexposure and prolonged use. Exposure to epoxy compounds may cause skin sensitization in some individuals.</p> <p>Avoid contact with eyes and skin. Do not swallow. Avoid breathing product vapor. Wash thoroughly after handling.</p>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye; and respiratory disorders including asthma and dermatitis.		

Emergency & First Aid Procedures:

Eyes:	In case of contact; immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Call a physician
Skin:	Do not allow to cure on skin. Rinse immediately with water and detergent. May cause allergic reaction and/or skin sensitization in some individuals.
Ingestion:	Call a physician immediately.
Inhalation:	In case of respiratory irritation; move person to fresh air.

▼ SECTION VI: REACTIVITY DATA

Stability:	Stable. Curing reaction is exothermic	Incompatible Materials:	Contamination with strong acids; epoxy resins; or isocyanates with cause polymerization
Hazardous Decomposition Products:	Fumes produced when heated to decomposition may include: Carbon monoxide and carbon dioxide, oxides of nitrogen.	Hazardous Polymerization:	Will Not Occur

▼ SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Absorb and collect with inert material and collect for disposal. Flush area with water. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

▼ SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not normally required when good general ventilation is provided. However if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Wear neoprene or other impervious gloves.
Eye Protection(Specify Type):	Wear splash goggles.
Other Protective Equipment:	An eye wash facility and/or source of fresh water should be available.

▼ SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Keep from freezing.
Other Precautions:	Avoid contact with skin. Do not apply to hot surfaces. Avoid excessive heat.

© SCC 06/08/2009
NEW GENERATION 40 (PART B)

Name: Ronald T. Cook
Effective Date: 06/08/2009

Title: Manager, Regulatory Affairs
Supersedes: 05/03/2006

Ref: 29 CFR 1910.1200 (OSHA) Changes: Update Section I

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.