

Safety Data Sheet Spartan Chemical Company, Inc.

Revision Date: 21-Jul-2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Product Name: Product Number: Recommended Use: Uses Advised Against:	GLASS CLEANER (AEROSOL) 6217 Glass cleaner For Industrial and Institutional Use Only
Manufacturer/Supplier:	Spartan Chemical Company, Inc. 1110 Spartan Drive Maumee, Ohio 43537 USA 800-537-8990 (Business hours) www.spartanchemical.com
24 Hour Emergency Phone Numbe Medical Emergency/Information Transportation/Spill/Leak:	
2. HAZARDS IDENTIFICATIO	Ν
GHS Classification Flammable Aerosols Gases Under Pressure	Category 1 Liquefied gas
<u>GHS Label Elements</u> Signal Word: Symbols:	Danger
Hazard Statements:	Extremely flammable aerosol. Contains gas under pressure; may explode if heated
Precautionary Statements: Prevention:	Keep away from heat/sparks/open flames/hot surfaces. — No smoking Do not spray on an open flame or other ignition source Pressurized container: Do not pierce or burn, even after use Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
Response: -Specific Treatment:	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
Storage:	Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place
Disposal:	Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information:

- May cause skin irritation.
 - May cause eye irritation.
 - May be harmful if swallowed.
 - Inhalation of vapors or mist may cause respiratory irritation.
 - Keep out of reach of children.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
isopropanol	67-63-0	1-5
N-butane	106-97-8	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES		
-Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.	
-Skin Contact:	Wash with soap and water. If skin irritation occurs: Get medical attention.	
-Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.	
-Ingestion:	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.	
Note to Physicians:	Treat symptomatically.	
5. FIRE-FIGHTING MEASURES		
Suitable Extinguishing Media: Specific Hazards Arising from the Chemical:	Water spray (fog), Foam Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed. EXTREMELY FLAMMABLE.	
Hazardous Combustion Products:	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.	
Protective Equipment and Precautions for Firefighters:	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.	
Environmental Precautions:	Do not rinse spill onto the ground, into storm sewers or bodies of water.	
Methods for Clean-Up:	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with	
	non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite)	
	and place in container for disposal according to local / national regulations (see Section 13).	

7. HANDLING AND STORAGE

Advice on Safe Handling:	Handle in accordance with good industrial hygiene and safety practice. Intentional misuse
	by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away
	from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after
	handling. Avoid contact with eyes. Avoid breathing vapors or mists. CONTENTS UNDER
	PRESSURE. Do not puncture or incinerate cans. Do not stick pin or any other sharp object
	into opening on top of can.

Storage Conditions:

NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
isopropanol	STEL: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm
67-63-0	TWA: 200 ppm	TWA: 980 mg/m ³	TWA: 400 ppm
		(vacated) TWA: 400 ppm	TWA: 980 mg/m ³
		(vacated) TWA: 980 mg/m ³	STEL: 500 ppm
		(vacated) STEL: 500 ppm	STEL: 1225 mg/m ³
		(vacated) STEL: 1225 mg/m ³	
N-butane	TWA: 1000 ppm	(vacated) TWA: 800 ppm	TWA: 800 ppm
106-97-8		(vacated) TWA: 1900 mg/m ³	TWA: 1900 mg/m ³
ngineering Controls:	chemicals above the occupa	ust, fumes, gas, vapors or mists wh tional exposure limits, local exhaus	
	If work practices generate de	ust, fumes, gas, vapors or mists wh tional exposure limits, local exhaus	
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Aerosol
Color:	White
Odor:	Pleasant
pH:	8.5-9.5
Melting Point / Freezing Point:	No information available.
Boiling Point / Boiling Range:	83 °C / 181 °F (Product without propellant)
Flash Point:	< -18 °C / < 0 °F (Propellant-estimated)
Evaporation Rate:	< 1 (Butyl acetate = 1)
Flammability (solid, gas)	No information available.
Upper Flammability Limit:	No information available.
Lower Flammability Limit:	No information available.
Vapor Pressure:	No information available.
Vapor Density:	No information available.
Specific Gravity:	0.979 (Product without propellant)
Solubility(ies):	No information available.
Partition Coefficient:	No information available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.

10. STABILITY AND REACTIVITY

Reactivity:	This material is considered to be non-reactive under normal conditions of use.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions	Not expected to occur with normal handling and storage.
Conditions to Avoid:	Extremes of temperature and direct sunlight.

Incompatible Materials:	Strong oxidizing agents. Strong acids.
Hazardous Decomposition	May include carbon monoxide, carbon dioxide (CO2) and other toxic gases or vapors.
Products:	

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Symptoms of Exposure:	Eyes, Skin, Ingestion, Inhalation.
-Eve Contact:	Pain and redness.
-Skin Contact:	Drying of the skin.
-Inhalation:	Nasal discomfort and coughing.
-Ingestion:	Pain, nausea, vomiting and diarrhea.
Immediate, Delayed, Chronic Effect	S
Product Information:	Data not available or insufficient for classification.
Target Organ Effects: Numerical Measures of Toxicity The following acute toxicity estimates	Central nervous systemEyes. Respiratory SystemSkin. (ATE) are calculated based on the GHS document.
ATEmix (oral): ATEmix (inhalation-gas): ATEmix (inhalation-dust/mist):	33010 mg/kg 12445298 1968.9 mg/l

Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg (Rat)	Not Available	Not Available
isopropanol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat)= 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat)4 h
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L (Rat)4 h

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecoto	xicitv

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
isopropanol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	Not Available	13299: 48 h Daphnia magna mg/L EC50

Persistence and Degradability:	No information available.		
Bioaccumulation:	No information available.		
Other Adverse Effects:	No information available.		

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Contaminated Packaging: Dispose of in accordance with federal, state and local regulations. Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: UN/ID No:

UN1950

Proper Shipping Name: Hazard Class:	Aerosols 2.1			
Special Provisions:	This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.			
<u>IMDG:</u> UN/ID No:	UN1950			
Proper Shipping Name:	Aerosols			
Hazard Class:	2.1			
Additional information:	Dangerous Goods in Limited Quantities, Maximum 1 L			
15. REGULATORY INFORMATION				

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory) All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

<u>SARA 313</u>

This product contains the following listed substances: **isopropanol** CAS No 67-63-0 only if manufactured by the strong acid process, no supplier notification

SARA 311/312 Hazard Categories	
Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	Yes
Sudden release of pressure hazard:	Yes
Reactive Hazard:	No

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION							
NFPA HMIS	Health Hazards: 1 Health Hazards: 1	Flammability: 3 Flammability: 3	Instability: 0 Physical Hazards: 2	Special: N/A			
Revision Date: Reasons for Revision:	21-Jul-2015 Section 14 and 15						

Disclaimer:

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet