

SPARTAN CHEMICAL COMPANY, INC.
WHMIS MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT INFORMATION

PRODUCT IDENTIFIER
CLEAN BY PEROXY

PRODUCT USE: General purpose cleaner

MANUFACTURER'S NAME & ADDRESS
Spartan Chemical Company, Inc.
1110 Spartan Drive, Maumee, OH 43537 USA

MEDICAL EMERGENCY TELEPHONE
888/314-6171 (24 Hours)
PRODUCT INFORMATION
800/537-8990

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	TLV			LD50	LC50
			TWA mg/m ³	STEL mg/m ³	Ceiling mg/m ³		
68991-48-0	1-5	Alcohol ethoxylate	---	---	---	Not available	Not available
7722-84-1	1-5	Hydrogen peroxide	1.4	---	---	Not available	Not available
68439-46-3	1-5	Alcohol ethoxylate	---	---	---	Not available	Not available
61791-10-4	1-5	Ethoxylated alkyl quaternary	---	---	---	Not available	Not available
Proprietary	< 1.0	Fragrance	---	---	---	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 100 °C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.014	PERCENT SOLID BY WEIGHT 5-10%
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	ODOUR THRESHOLD Not available
pH 2.0-3.0	APPEARANCE AND ODOUR Pale blue liquid, pleasant odor	PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID__
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 100 °C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not established
EXTINGUISHING MEDIA Water, CO ₂ or dry chemical	CONDITIONS OF FLAMMABILITY Not applicable	AUTO-IGNITION TEMPERATURE Not applicable
HAZARDOUS COMBUSTION PRODUCTS Not established		EXPLOSION DATA Not applicable
SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Product does not support combustion. Releases oxygen when burned. Use extinguishing media appropriate for surrounding fire.		

SECTION V: REACTIVITY DATA

STABILITY: STABLE X **CONDITIONS OF INSTABILITY** **CONDITIONS OF REACTIVITY**
Not established Not established

INCOMPATIBILITY (MATERIALS TO AVOID) Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS Oxygen, Carbon dioxide, carbon monoxide

SECTION VI: TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY: Eye Contact, Skin Contact, Ingestion and Inhalation

EXPOSURE LIMIT

Not established for mixture.

EFFECTS OF ACUTE EXPOSURE:

EYE CONTACT: Causes eye irritation with symptoms such as pain, redness, swelling and possible tissue damage.

SKIN CONTACT: Causes skin irritation with symptoms such as pain, redness and swelling.

INGESTION: May be harmful if swallowed. Symptoms may include nausea, vomiting, pain and diarrhea.

INHALATION: Breathing product mist may cause respiratory irritation with symptoms such as coughing and difficulty breathing.

EFFECTS OF CHRONIC EXPOSURE

None known.

IRRITANCY OF PRODUCT

Causes eye & skin irritation.

SENSITIZATION TO PRODUCT

Not available

CARCINOGENICITY

No

REPRODUCTIVE TOXICITY

Not available

TERATOGENICITY

Not available

MUTAGENICITY

Not available

SYNERGISTIC PRODUCTS

Not available

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS:

Wear rubber or other impervious gloves and splash goggles. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If respiratory irritation cannot be prevented by ventilation, use of a NIOSH approved respirator suitable for the conditions of use and chemicals in Section II should be considered.

LEAK AND SPILL PROCEDURE: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal. Keep spill out of storm sewers and waterways.

WASTE DISPOSAL METHOD: Dispose of in compliance with all laws and regulations.

HANDLING PROCEDURES: Do not get in eyes, on skin or on clothing. Avoid breathing product mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling. Mixtures of this product with other chemicals, particularly those containing chlorine (hypochlorite) bleach, may result in the production of toxic gases.

STORAGE REQUIREMENTS: Do not mix with other chemicals. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION: Not regulated. Shipping Description: Cleaning compounds, liquid, n.o.s.

SECTION VIII: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

INGESTION: Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: In case of respiratory irritation or dizziness, move person to fresh air. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Contains hydrogen peroxide. Ingestion may result in distension of esophagus and stomach.

SECTION IX: PREPARATION INFORMATION

CLEAN BY PEROXY

DATE OF PREPARATION: November 8, 2004

SUPERCEDES First WHMIS Edition

PREPARED BY: Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.

TELEPHONE NUMBER: 800/537-8990

SPARTAN CHEMICAL COMPANY, INC.
WHMIS MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT INFORMATION

PRODUCT IDENTIFIER
AIRLIFT SMOKE & ODOR ELIMINATOR

PRODUCT USE: Air Freshener and Deodorant

MANUFACTURER'S NAME & ADDRESS
Spartan Chemical Company, Inc.
1110 Spartan Drive, Maumee, OH 43537 USA

MEDICAL EMERGENCY TELEPHONE
888/314-6171 (24 Hours)
PRODUCT INFORMATION
800/537-8990

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	TLV			LD50	LC50
			TWA mg/m ³	STEL mg/m ³	Ceiling mg/m ³		
67-63-0	1-5	Isopropyl alcohol	980	1225	---	Not available	Not available
Proprietary	< 1.0	Fragrance	---	---	---	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 100 °C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.00	PERCENT SOLID BY WEIGHT 1-3
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	ODOUR THRESHOLD Not available
pH 5.5 - 6.5	APPEARANCE AND ODOUR Clear colorless liquid, pleasant fragrance	PHYSICAL STATE GAS___ LIQUID <u>X</u> SOLID___
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 100 °C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not established
EXTINGUISHING MEDIA Product does not support combustion. Not applicable	CONDITIONS OF FLAMMABILITY	AUTO-IGNITION TEMPERATURE Not applicable
HAZARDOUS COMBUSTION PRODUCTS Not established		EXPLOSION DATA Not applicable
SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.		
UNUSUAL FIRE AND EXPLOSION HAZARDS None known		

SECTION V: REACTIVITY DATA

STABILITY: STABLE X **CONDITIONS OF INSTABILITY** **CONDITIONS OF REACTIVITY**
Not established Not established

INCOMPATIBILITY (MATERIALS TO AVOID)
Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS Not established

SECTION VI: TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY: Eye Contact, Skin Contact, Ingestion, Inhalation

EXPOSURE LIMIT
Not established for mixture.

EFFECTS OF ACUTE EXPOSURE:
EYE CONTACT: May cause eye irritation with symptoms such as pain and redness.
SKIN CONTACT: May cause skin irritation with symptoms such as pain and redness.
INGESTION: May be harmful if swallowed. Symptoms may include abdominal pain, nausea and diarrhea.
INHALATION: Breathing product mist may cause respiratory irritation.

EFFECTS OF CHRONIC EXPOSURE Not established

IRRITANCY OF PRODUCT May cause skin and eye irritation	SENSITIZATION TO PRODUCT Not available	CARCINOGENICITY No
REPRODUCTIVE TOXICITY Not available	TERATOGENICITY Not available	MUTAGENICITY Not available
		SYNERGISTIC PRODUCTS Not available

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS
Impervious rubber gloves may be used for frequent or prolonged contact. Splash goggles or safety glasses may be worn to prevent contact. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.

LEAK AND SPILL PROCEDURE Small quantities may be flushed into sanitary sewer. Larger quantities should be picked up with inert absorbent material and disposed on in accordance with applicable regulations.

WASTE DISPOSAL METHOD Assure conformance with applicable regulations.

HANDLING PROCEDURES Avoid contact with eyes, skin or clothing. Do not taste or swallow. Avoid breathing product mist.

STORAGE REQUIREMENTS Keep container closed when not in use. Do not freeze. Do not store above 49°C (120°F). Wash thoroughly after handling. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION None, Shipping Description: Cleaning compounds, liquid, n.o.s.

SECTION VIII: FIRST AID MEASURES

EYES: In case of contact, flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention if irritation persists.

SKIN: In case of contact, wash skin thoroughly with soap and water while removing contaminated clothing and shoes. Wash clothing before reuse.

INGESTION: Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: In case of respiratory irritation or dizziness, move person to fresh air. Get medical attention if irritation persists.

SECTION IX: PREPARATION INFORMATION

AIRLIFT SMOKE & ODOR ELIMINATOR
DATE OF PREPARATION February 4, 2004
SUPERCEDES: First WHMIS Edition
APPROVED BY Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.
TELEPHONE NUMBER 800/537-8990