

**SPARTAN CHEMICAL COMPANY, INC.
WHMIS MATERIAL SAFETY DATA SHEET**

SECTION I: PRODUCT INFORMATION

PRODUCT IDENTIFIER:

DA-70

PRODUCT USE: Heavy-duty cleaner wax & finish stripper

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
132778-08-6	1-5	Alkyl polyglycoside	---	---	---	Not available	Not available
61791-10-4	1-5	Ethoxylated alkyl quaternary	---	---	---	Not available	Not available
1336-21-6	1-5	Ammonium hydroxide	35(ammonia)	---	---	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT

100°C (212°F)

VAPOUR PRESSURE

Not established

VAPOUR DENSITY (AIR = 1)

Not established

pH

11.6-12.2

COEFFICIENT OF WATER/OIL DISTRIBUTION

Not available

SPECIFIC GRAVITY (H₂O = 1)

1.074

EVAPORATION RATE (butyl acetate = 1)

< 1

SOLUBILITY IN WATER

Complete

APPEARANCE AND ODOUR

Red liquid, ammonia odor

PERCENT SOLID BY WEIGHT

4-6

FREEZING POINT

Not available

ODOUR THRESHOLD

Not available

PHYSICAL STATE

Gas__ Liquid X Solid __

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT

> 100°C (212°F)

EXTINGUISHING MEDIA

Carbon dioxide, dry chemical, water Not applicable

HAZARDOUS COMBUSTION PRODUCTS

Not established

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

Combustion products are toxic.

METHOD USED

ASTM - D56

CONDITIONS OF FLAMMABILITY

Not applicable

FLAMMABLE LIMITS

Not available

AUTO-IGNITION TEMPERATURE

Not applicable

EXPLOSION DATA

Not applicable

SECTION V: REACTIVITY DATA

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

INCOMPATIBILITY (MATERIALS TO AVOID) Strong acids, oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide, carbon monoxide

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 Causes eye irritation with symptoms of pain, redness, swelling and tearing.
SKIN CONTACT Causes skin irritation with symptoms of pain, redness and swelling.
INGESTION Harmful if swallowed. Symptoms may include pain, nausea, vomiting and diarrhea.
INHALATION Breathing product vapor or mist may cause respiratory irritation. Symptoms may include coughing and difficulty breathing.
EFFECTS OF CHRONIC EXPOSURE
None known

IRRITANCY OF PRODUCT Causes eye and 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 exposure limits (see Section II) can not be maintained 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: Assure conformance with regulations.

HANDLING PROCEDURES: Do not get in eyes, on skin or clothing. Avoid breathing product vapor or mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling.

STORAGE REQUIREMENTS: Keep container closed when not in use. Do not freeze. Do not store above 49°C (120°F). Do not mix with other chemicals. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION: Not regulated. Shipping Description: Non-Hazardous Products

SECTION VIII: FIRST AID MEASURES

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

SKIN: Remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Get medical attention. Wash contaminated clothing before reuse.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.

INHALATION: In case of respiratory irritation, move person to fresh air. Get medical attention immediately.

SECTION IX: PREPARATION INFORMATION

DA-70
DATE OF PREPARATION December 2, 2014
SUPERCEDES December 2, 2011
PREPARED BY Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.
TELEPHONE NUMBER 800/537-8990