



**Material Safety Data Sheet
STRIPALENE 527**

D.A. STUART INC. 43 Upton Road Scarborough, Ontario M1L 2C1	DATE PREPARED: January 24, 2001 REVISION DATE: July 7, 2004 REVISION NUMBER: 3
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SECTION I - IDENTIFICATION

MANUFACTURER'S NAME..... D.A. Stuart Inc.
MANUFACTURER'S ADDRESS. 43 Upton Road, Scarborough, Ontario, M1L 2C1
SUPPLIER'S NAME..... As manufacturer
SUPPLIER'S ADDRESS..... As manufacturer
PRODUCT NAME..... STRIPALENE 527
PRODUCT NUMBER..... 104141
PRODUCT USE..... Alkaline cleaner
CHEMTREC..... 1-800-424-9300

EMERGENCY PHONE NUMBER: CANUTEC: 1-613-996-6666 (24 HOURS)

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS	PERCENT	CAS-NUMBER	LD(50)	LC(50)
Sodium metasilicate	10-30%	6834-92-0	622 mg/kg (Rat-Oral)	n.av.
Sodium carbonate	30-60%	497-19-8	4090 mg/kg (Rat-Oral)	2300 mg/m ³ /2 hr (Rat)

SECTION III - HAZARDS IDENTIFICATION

ROUTES OF ENTRY

SKIN CONTACT..... Concentrate is corrosive to skin.
SKIN ABSORPTION..... No acute effects expected.
EYE..... Concentrate will cause severe burning or irritation.
INHALATION..... Concentrate can be mildly irritating.
INGESTION..... Do not ingest. Concentrate will cause

ACUTE OVER EXPOSURE EFFECTS.... Should concentrated powder product get into eye, severe eye irritation with possible corneal injury may result. Exposure to diluted solution will cause irritation of the eye and may cause irritation of the skin.

CHRONIC OVER EXPOSURE EFFECTS Prolonged or repeated contact may cause skin and/or eye irritation and possible damage.



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EXPOSURE LIMITS..... Sodium carbonate (dust): 10 mg/m³

IRRITANCY OF PRODUCT..... Corrosive to eyes and skin and an irritant under WHMIS.

SENSITIZATION TO MATERIAL..... Not known to be a sensitizer.

SECTION IV - FIRST AID MEASURES

SPECIFIC FIRST AID PROCEDURES..... **Eyes:** Rinse with water for at least 15 minutes. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air if ill effects experienced. Seek medical attention if necessary.

Ingestion: DO NOT INDUCE VOMITING. Give water or milk to drink. Seek medical assistance. NB: Never give anything by mouth to an unconscious person.

SECTION V - FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY..... n.ap.

FLASHPOINT AND METHOD..... n.ap.

EXTINGUISHING MEDIA..... n.ap.

UNUSUAL FIRE AND EXPLOSION HAZARDS..... n.ap.

UPPER EXPLOSION LIMIT (% BY VOL)..... n.ap.

LOWER EXPLOSION LIMIT (% BY VOL)... n.ap.

AUTO-IGNITION TEMPERATURE..... n.ap.

FLAMMABILITY CLASSIFICATION..... Not classified as a flammable substance under WHMIS.

HAZARDOUS COMBUSTION PRODUCTS.... n.ap.

EXPLOSION DATA..... n.ap.

SENSITIVITY TO STATIC DISCHARGE..... n.ap.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL..... Carefully shovel up powder and place in appropriate disposal container. Flush spill area with water and neutralize remaining traces with dilute acid.



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SECTION VII - HANDLING AND STORAGE

HANDLING PROCEDURES	Use good hygiene procedures. Avoid breathing mists and vapours. Wear all appropriate personal protective equipment at all times.
STORAGE REQUIREMENTS	Keep containers closed in a cool place. Do not freeze.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

SPECIFIC ENGINEERING CONTROLS ...	Dilution ventilation is adequate at room temperature. At high temperature or if misting is expected, exhaust ventilation is recommended.
PERSONAL PROTECTIVE EQUIPMENT	Chemical safety goggles, apron and boots. Impervious rubber gloves. If exposure limits are exceeded, use NIOSH approved respirator (R or P95) may be used for any particulate contaminant where airborne mists exceed the NIOSH REL of 5 mg/m ³ .

SECTION IX - PHYSICAL DATA AND CHEMICAL PROPERTIES

PHYSICAL STATE	Powder
APPEARANCE/ODOR	White, granular, characteristic odour
ODOUR THRESHOLD	n.av.
BOILING POINT	n.ap.
VAPOUR PRESSURE	n.ap.
VAPOUR DENSITY	n.ap.
EVAPORATION RATE	n.ap.
FREEZING POINT	n.ap.
SPECIFIC GRAVITY	n.ap.
pH	12.0 @ 1%
DENSITY (g/mL)	n.ap.
COEFFICIENT OF WATER/OIL DISTRIBUTION	Soluble in water with mixing

SECTION X – STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY	Stable
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INCOMPATIBILITY..... Strong acids and some metals
CONDITIONS OF REACTIVITY..... When solution is in contact with acids, carbon dioxide will be released.

HAZARDOUS DECOMPOSITION PRODUCTS..... None

SECTION XI – TOXICOLOGICAL INFORMATION

CARCINOGENICITY..... No ingredients are listed as carcinogenic under OSHA, NTP and IARC.

TERATOGENICITY AND

EMBRYOTOXICITY..... None known

TOXICOLOGICALLY SYNERGISTIC

PRODUCTS..... None known

MUTAGENICITY..... None known

REPRODUCTIVE TOXICITY..... None known

SECTION XII – ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

SECTION XIII - DISPOSAL CONSIDERATIONS

Follow all local and federal government regulations. The disposal method and manner practices should be acceptable to good waste management practices and follow applicable codes and regulations.

SECTION XIV - TRANSPORTATION DATA

SPECIAL SHIPPING INFORMATION..... Not regulated under TDG.

PRECAUTIONARY LABEL STATEMENT. DANGER: Corrosive. Causes severe eye and skin burns.

SECTION XV - REGULATORY INFORMATION

WHMIS CLASSIFICATION..... E, D2B

This product has been classified in accordance with the hazards criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.



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SECTION XVI – OTHER INFORMATION

PREPARED BY..... Research and Development Department
PHONE NUMBER OF PREPARER..... (416) 757-3226

ABBREVIATIONS

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS.....Chemical Abstracts Service
CC/TCC.....(Tag) Closed Cup
COC.....Cleveland Closed Cup
IARC.....International Agency for Research on Cancer
LC₅₀.....Lethal Concentration 50
LD₅₀.....Lethal Dose 50
n.ap......Not Applicable
n.av......Not Available
NFPA.....National Fire Protection Association
NOSH.....National Institute of Occupational Safety and Health
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
STEL.....Short Term Exposure Limit
TDG.....Transportation of Dangerous Goods
TLV.....Threshold Limit Value
TWA.....Time Weighted Average
WHMIS.....Workplace Hazardous Material Information Systems

DISCLAIMER

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