

Battery Terminal Protector 765-1073*

MATERIAL SAFETY DATA SHEET

Effective Date: 6-6-02 Revision Date: none
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Section 1 - Product and Company Identification

PRODUCT NAME: Battery Terminal Protector 765-1073*

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER
Specialty Division, Sprayon Products (216)566-2917
26300 Fargo Avenue
Bedford Heights, OH 44146 MISCELLANEOUS INFORMATION
(800)832-2541

Section 2 - Hazardous Ingredients

% by WT CAS No. INGREDIENT UNITS VAPOR PRESSURE

9 74-98-6 Propane
ACGIH TLV 2500 ppm 760 mm
OSHA PEL 1000 ppm
21 106-97-8 Butane
ACGIH TLV 800 ppm 760 mm
OSHA PEL 800 ppm
14 64742-89-8 Lt. Aliphatic Hydrocarbon Solvent.
ACGIH TLV 100 ppm 53 mm
OSHA PEL 100 ppm
14 108-88-3 Toluene.
ACGIH TLV 50 ppm (skin) 22 mm
OSHA PEL 100 ppm (skin)
OSHA PEL 150 ppm (skin) STEL
2 100-41-4 Ethylbenzene
ACGIH TLV 100 ppm 7.1 mm
ACGIH TLV 125 ppm STEL
OSHA PEL 100 ppm
OSHA PEL 125 ppm STEL
13 1330-20-7 Xylene.
ACGIH TLV 100 ppm 5.9 mm
ACGIH TLV 150 ppm STEL
OSHA PEL 100 ppm
OSHA PEL 150 ppm STEL
2 64742-94-5 Medium Aromatic Hydrocarbons.
ACGIH TLV Not Available 0.12 mm
OSHA PEL Not Available
16 67-64-1 Acetone.
ACGIH TLV 500 ppm 180 mm
ACGIH TLV 750 ppm STEL
OSHA PEL 1000 ppm

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Section 3 - Hazards Identification

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and upper respiratory system.
May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 - First Aid Measures

If INHALED: If affected, remove from exposure. Restore breathing.

Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes.

Get medical attention.

If SWALLOWED: Do not induce vomiting.

Get medical attention immediately.

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Section 5 - Firefighting Measures

FLASH POINT LEL UEL

Propellant < 0 F 0.8 12.8

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 - Environmental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

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Section 7 - Handling and Storage

STORAGE CATEGORY

NFPA 30B Level 3 Aerosol

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves,

electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

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Section 8 - Exposure Controls/Personal Protection

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9 - Physical and Chemical Properties

PRODUCT WEIGHT 6.07 lb/gal 727 g/l

SPECIFIC GRAVITY 0.73

BOILING POINT <0 - 415 F <-18 - 212 C

MELTING POINT Not Available

VOLATILE VOLUME 95 %

EVAPORATION RATE Faster than ether

VAPOR DENSITY Heavier than air

SOLUBILITY IN WATER N.A.

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)

Volatile Weight 76.81 % Less Federally Exempt Solvents

Section 10 - Stability and Reactivity

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

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Section 11 - Toxicological Information

CHRONIC HEALTH HAZARDS

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

71-99-6 Propane

LC50 RAT 4HR Not Available

LD50 RAT Not Available

106-97-8 Butane

LC50 RAT 4HR Not Available

LD50 RAT Not Available

64742-89-8 Lt. Aliphatic Hydrocarbon Solvent.

LC50 RAT 4HR Not Available

LD50 RAT Not Available

108-88-3 Toluene.

LC50 RAT 4HR 4000 ppm

LD50 RAT 5000 mg/kg

100-41-4 Ethylbenzene

LC50 RAT 4HR Not Available

LD50 RAT 3500 mg/kg

1330-20-7 Xylene.

LC50 RAT 4HR 5000 ppm

LD50 RAT 4300 mg/kg

64742-94-5 Medium Aromatic Hydrocarbons.

LC50 RAT 4HR Not Available

LD50 RAT Not Available

67-64-1 Acetone.

LC50 RAT 4HR Not Available

LD50 RAT 5800 mg/kg

Section 12 - Ecological Information

ECOTOXICOLOGICAL INFORMATION

No data available.

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Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 14 - Transport Information

DOT: Consumer Commodity ORM-D

IATA: Consumer Commodity ORM-D, 9, ID8000

IMDG: Aerosols, 2.1, UN1950, Ltd Qty

Section 15 - Regulatory Information

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No. CHEMICAL/COMPOUND % by WT % Element

108-88-3 Toluene. 14
100-41-4 Ethylbenzene 2
1330-20-7 Xylene. 13

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 - Other Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.