

Material Safety Data Sheet

Revision Date 14-Oct-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA6310
Product name TAKE-CHARGE
Recommended Use Battery Cleaner

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritating to respiratory system. Irritating to eyes. Vapors may cause flash fire or explosion.

Aggravated Medical Conditions

None Known

Principal Routes of Exposure

Eyes. Skin contact. Inhalation. Ingestion.

Potential health effects

Eyes May cause the following effects: Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Defatting. Chronic exposure causes drying effect on the skin.

Inhalation Harmful by inhalation. Long-term exposure may cause the following effects: Headaches. Dizziness. Nausea. Decreased blood pressure. Changes in heart rate. Cyanosis. Extreme overexposure may cause. Central nervous system damage. Lung damage. Liver damage. Kidney damage.

Ingestion May be harmful if swallowed. Can burn mouth, throat, and stomach. Tissue destruction.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Hexane	64742-49-0	30-40
Propane/Isobutane/N-Butane	68476-86-8	10-20
Stoddard solvent	8052-41-3	10-20
Corrosion Inhibitors	Proprietary	10-20

Petroleum distillates, hydrotreated light	64742-47-8	10-20
Propylene glycol monomethyl ether	107-98-2	1-10

4. FIRST AID MEASURES

Eye contact Flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin contact Wash area thoroughly with soap and water. Seek medical attention if irritation persists.

Ingestion Immediate medical attention is required. Do Not induce vomiting. Give victim a glass of water or milk. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C -96.11
Flash point °F -141
Method Pensky-Martens C.C.

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)

Upper 12.0
Lower 0.7

Suitable extinguishing media

Carbon dioxide (CO2). Dry chemical powder. Foam. Water fog.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire and Explosion Hazards

Keep product and empty container away from heat and sources of ignition. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Flash back possible over considerable distance. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death.

Sensitivity to shock

No information available.

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Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Dam and contain spill using sand or other inert material. Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling

Thoroughly wash hands and exposed skin after handling. Keep in a well-ventilated place. Use only according to label directions. Handle empty containers as if they were full. Minimize skin contact. Avoid breathing vapors. Avoid contact with skin, eyes and clothing.

Storage

Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

NFPA Storage Code

Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Hexane	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	N/D
Corrosion Inhibitors	-	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-
Stoddard solvent	500 ppm 2900 mg/m ³	-	100 ppm	-
Propylene glycol monomethyl ether	-	-	50 ppm	100 ppm

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area.

Hygiene measures

Wash hands before eating or using the washroom. Avoid contact with skin, eyes and clothing.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a positive-pressure supplied-air respirator. Seek professional advice prior to respirator selection and use.

Hand Protection

For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

Impervious clothing.

Other Protective Equipment

The following items should be worn when using this product:. Rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Orange / Brown
Odor	Solvent
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	0.7727
Vapor pressure	No data available
Vapor density	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)
Water solubility	Negligible
VOC Content	86.7%
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	-30.6 - 197
Boiling point/range °F	-23 - 387
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-96.11
Flash point °F	-141

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame. Do not use near welding arcs.

Incompatibility

Strong acids. Alkalies. Oxidizers.

Product code **DA6310**Product name **TAKE-CHARGE****Hazardous Decomposition Products**

Carbon oxides. Sulfur oxides. Hydrocarbons.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Hexane 64742-49-0	5000 mg/kg	3160 mg/kg	73680 ppm
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
Corrosion Inhibitors Proprietary	-	-	-
Petroleum distillates, hydrotreated light 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Stoddard solvent 8052-41-3	-	-	-
Propylene glycol monomethyl ether 107-98-2	5200 mg/kg	13 g/kg	54.6 mg/L 24 mg/L

Synergistic Products None known**Potential health effects****Sensitization** None known**Chronic toxicity** None known**Mutagenic effects** None known**Teratogenic effects** None known**Reproductive toxicity** None known**Target Organ Effects** Long term exposure to vapor may cause kidney damage. Long term exposure to vapor may cause lung damage.**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Corrosion Inhibitors	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Stoddard solvent	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propylene glycol monomethyl ether	A4	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Hexane

Water Flea Data*Chaetogammarus marinus* LC50=2.6 mg/L (96 h)

Petroleum distillates, hydrotreated light

Water Flea Data*Den-dronereides heteropoda* LC50=4720 mg/L (96 h)

Propylene glycol monomethyl ether

Water Flea Data*Daphnia magna* EC50=23300 mg/L (48 h)**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D.

TDG

Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Propane/Isobutane/N-Butane	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Hexane	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Corrosion Inhibitors	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed
Stoddard solvent	Listed	Listed	Not Listed

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CHARGE**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propylene glycol monomethyl ether	Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Hexane	X	X	-	X
Propane/Isobutane/N- Butane	X	X	-	X
Corrosion Inhibitors	-	-	-	-
Petroleum distillates, hydrotreated light	X	X	-	X
Stoddard solvent	X	X	-	X
Propylene glycol monomethyl ether	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 2

Flammability - 4

Physical Hazard - 0

Prepared By

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Engineer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.