



COSHH DATA SHEET

Grease-Buster

Total Pages: 3

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COSHH Safety Data Sheet #: Grease-Buster
 Catalogue #: ZAP-POWER

SECTION 1. PRODUCT NAME

Aerosol Coil Cleaner

SECTION 2. COMPONENT INFORMATION

INGREDIENT	CAS NO	EINECS NO.	% or	Symbol	Risk Phrases
Trichloroethylene	79-01-6	201-167-4	~90	+T	Carc, Sk R45, 36/38, 52/53, 67
Isopropyl Alcohol	67-63-0	200-661-7	1-10	+F, +I	R11, 36, 67
Carbon Dioxide Propellant	124-38-9	204-696-9	1-10		

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 3. HAZARDS IDENTIFICATION

Inhalation: Effects from inhalation of mists and vapours vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

Ingestion: Swallowing can cause gastro-intestinal irritation, nausea, vomiting, diarrhoea. Aspiration of material into the lungs can cause chemical pneumonitis.

Skin Contact: Frequent or prolonged contact may cause mild irritation. Repeated contact may cause drying or flaking of skin.

Eye Contact: May cause pain and moderate irritation of eyes.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the product.

SECTION 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT INDUCE VOMITING! Get medical attention immediately.

Skin Contact: Wash with soap and water. Rinse with copious amounts of fresh, running water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with large amounts of cool running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: None

Fire Extinguishing Media: None

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode. Cool exposed containers with a water spray to prevent rupturing.

Unusual Fire and Explosion Hazards: Exposure to temperature above 120°/49°C may cause bursting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Remove contaminated clothing immediately. Keep unnecessary and unprotected people away from area of spill. Remove all potential sources of ignition from the area. Ventilate area of leak or spill. Allow propellant to evaporate. Contain and absorb liquid with clay, vermiculite or other inert substance and package in a suitable container for disposal. Dispose of absorbed material in accordance with Federal, local and state regulations.

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SECTION 7. HANDLING AND STORAGE

Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture. Empty containers of this material, depressurized through normal use, pose no disposal hazard and may be recycled. Keep this and all chemicals out of the reach of children. Wash hands thoroughly after handling.

SECTION 8. EXPOSURE CONTROLS

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL):

Substance	CAS No.	
Carbon Dioxide Propellant	124-38-9	10,000 ppm
Isopropyl Alcohol	67-63-0	400 ppm
Trichloroethylene	79-01-6	50 ppm

ACGIH Threshold Limit Value (TLV):

Substance	CAS No.	
Carbon Dioxide Propellant	124-38-9	10,000 ppm
Isopropyl Alcohol	67-63-0	400 ppm
Trichloroethylene	79-01-6	50 ppm

EH40/2005 WEL

Substance	CAS No.		
Carbon Dioxide Propellant	124-38-9	5000ppm,	9150mg/m3 (8hr LTEL)
		1,5000ppm	27400mg/m3 (15 min. STEL)
Isopropyl Alcohol	67-63-0	400ppm,	999mg/m3 (8hr LTEL)
		500ppm	1250mg/m3 (15 min. STEL)
Trichloroethylene	79-01-6	100ppm,	550mg/m3 (8hr LTEL)
		50ppm	820mg/m3 (15 min. STEL)

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details. If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters or European Standard EN 149 respirators) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter with acid-gas cartridge filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Personal Respirators: Gas/vapour filter, type B: inorganic vapours excl. CO (EN141).

Skin Protection: Use solvent resistant gloves to minimize skin contact.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Do not use unless a source of running water or other eyewash provisions are nearby.

Work Hygienic Practices: Use proper industrial hygiene practices and follow label instructions to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

SECTION 9. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: -83°C/182°F	Specific gravity (H₂O = 1): 1.419
Vapour pressure (mm Hg): 90 PSI (In can)	Vapour Density (Air = 1): 4.5 @ 21°C/70°F
Evaporation Rate: Not determined	VOC Content: 97%
Solubility in water: Insoluble	pH @ 25°C: N/A
Appearance: Clear colourless liquid	Odour: Sweet odour

SECTION 10. STABILITY AND REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Hydrogen sulphide, Phosgene

Hazardous Polymerization: Will not occur.

Incompatibilities: Avoid contact with strong oxidizing agents, strong alkalis and strong acids.

Conditions to Avoid: Heat, incompatibles.

SECTION 11. TOXICOLOGY INFORMATION

Trichloroethylene: Oral rat LD50: 5650 mg/kg; investigated as a tumorigen, mutagen, reproductive effector.

Reproductive Toxicity:

This material has been linked to mutagenic effects in humans.

Cancer Lists:	NTP (known)	NTP (anticipated)	IARC Class
Trichloroethylene (79-01-6)	No	Yes	2A

SECTION 12. ECOLOGICAL INFORMATION

Environmental Fate: When released into the soil, this material may leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released to water, this material is expected to quickly evaporate. This material has an experimentally-determined bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.

Environmental Toxicity: The LC50/96-hour values for fish are between 10 and 100 mg/l. This material is expected to be slightly toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of spill-clean up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

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SECTION 14. TRANSPORTATION INFORMATION

US DOT: Consumer Commodity, ORM-D

INTERNATIONAL

Water, I.M.O.:

Proper Shipping Name: Aerosols (max 1 L) (Limited Quantity)

Hazard Class: 2.2

UN: 1950

Marine Pollutant: Yes (Trichloroethylene)

SECTION 15. REGULATORY INFORMATION

EC Classification: Risk phrases:

R 20: Harmful by inhalation.

R 21: Harmful in contact with skin

Safety phrases:

S1/2: Keep locked up and out of the reach of children.

S9: Keep container in a well-ventilated place.

S23: Do not breathe fumes, vapour or spray S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use.

US EPA:

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Centre of release quantities of Hazardous Substances is not required for this material.

Superfund Amendments and Reauthorisation Act of 1986 (SARA) Title III requires emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312) is not required for quantities below 250 pounds.

Superfund Amendments and Reauthorisation Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This material is not subject to reporting requirements.

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are on the TSCA inventory.

State Right to Know

California Proposition 65:

Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.

Pennsylvania: Hazardous substances must be identified.

SCAQMD Rule 443.1 (VOC's): 97%

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: Yes

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Acetone meets the Canadian WHMIS criteria for classes:

B2: Flammable and combustible material: Flammable liquid

D2B- Poisonous and Infectious material-Other Effects: Toxic

16. OTHER INFORMATION:

NFPA Ratings: Health: 2 Flammability: 1 Reactivity: 1



Risk Phrases:

R45 : May cause cancer.

R36/38 : Irritating to eyes and skin.

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 : Vapours may cause drowsiness and dizziness.

Label Hazard Warning: Vapour harmful. Contents under pressure. Keep out of reach of Children. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F/ 49°C.

Label Precautions: Keep exposure levels below 25ppm during an 8-hour period. Avoid inhalation of spray mist or vapours.

Label First Aid: If overcome by fumes, remove victim to fresh air. Resuscitate if necessary. Get medical attention.

Avoid contact with eyes or skin. In case of eye contact, flush immediately with plenty of water and continue for 15 minutes. If discomfort persists, get medical attention.

Product Use: Air condition and refrigeration coil cleaner

17. ADDITIONAL INFORMATION:

This information is provided in accordance with the requirements of the UK Health and Safety at Work Act 1974, and specifically in order to assist users of the product to make their 'assessment of health risks' as required by the UK Control of Substances Hazardous to Health Regulation 1988 (COSHH assessments). Provision of this information does not preclude users from seeking advice from other sources as indicated in the COSHH guides. This information is intended to cover potential hazards at the place of work and does not detail medical uses, indications, contra-indications and precautions for the treatment of patients.

18. MANUFACTURED FOR:

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SECTION 19. REFERENCE NUMBER:

DATE OF ISSUE: 01/06/2009

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