

Audio / Video Head Cleaner

407C



- Ozone safe
- Zero residue
- Safe on plastics

Cleans and restores sensitive magnetic and optical read/write heads. Removes nicotine, tape residues, metallic oxides, carbon deposits, oils, dirt.

Available Sizes

Catalog Number	Sizes Available	Description
407C-340G	340g (12 oz)	Aerosol
407C-250ML	250ml (8.8 oz)	Liquid
407C-1L	1L (33 oz)	Liquid



Material Safety Data Sheet

Section 1: Product Identification

MSDS Code: 407C - liquid **Name: Audio / Video Head Cleaner**

Related Part Numbers: 407C-250ML; 407C-1L

Use: Cleaning magnetic tape heads.

Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
75-83-2	2,2 dimethylbutane	3 - 6	500ppm	500ppm	N/e
96-14-0	3-methyl pentane	5 - 10	500ppm	500ppm	N/e
79-29-8	2,3 dim ethyl butane	4 - 8	500ppm	500ppm	N/e
67-63-0	2-propanol	35 - 50	400ppm	400ppm	500ppm
107-83-5	2 - methyl pentane	15 - 22	500ppm	500ppm	N/e
110-54-3	n-hexane	1 - 2	50ppm	50ppm	N/e

Section 3: Hazards Identification

WHMIS Codes: B2, D2B

NFPA Ratings: Health 1 Flammability 3 Reactivity 0

HMIS Ratings: Health 1 Flammability 4 Reactivity 0

Eyes: May cause eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

Skin: May cause skin irritation with pain and stinging, especially if skin is abraded.

Inhalation: May cause respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, and unconsciousness.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting, and diarrhea. May cause central nervous system depression.

Chronic: Long-term intensive exposure may cause liver or kidney damage.

Section 4: First Aid Measure

Eyes: Remove contact lenses. Flush with water or saline for 20 minutes. Get medical aid.

Skin: Wash skin with large quantities of soap and water. Get medical aid if symptoms persist.

Inhalation: Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Ingestion: Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

Section 5: Fire Fighting Measures

Autoignition Temperature: N/e **Flash Point:** -29°C **LEL / UEL:** 3 / 13

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

General Information: Will burn if involved in a fire. Highly flammable vapors are heavier than air and may accumulate in low areas. Flash back along vapor trail is possible.

Section 6: Accidental Release Measures

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.

Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Odor:	Ethereal	Solubility:	Miscible	Evaporation Rate:	1.5 (ether=1)	
Boiling Point:	55°C	Specific Gravity:	0.72	Vapor Pressure:	1 PSI @21°C	Vapor Density:	1.6 (Air=1)	pH: 7

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.

Conditions to avoid: Temperatures over 40°C, ignition sources, and incompatible substances.

Incompatibilities: Oxygen and strong oxidizers; acetaldehyde, chlorine, ethylene oxide, acids and isocyanates, hydrogen + palladium, nitro form, oleum, phosgene, potassium t-but oxide, aluminum, aluminum triisopoxide.

Polymerization: Will not occur.

Decomposition: Carbon monoxide, carbon dioxide, formaldehyde, acrid smoke, halogens.

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure)	Prolonged skin contact may cause dermatitis. May cause allergic reaction in some individuals.				
Carcinogenicity: (risk of cancer)	No				
Teratogenicity: (risk of malformation in an unborn fetus)	No				
Reproductive Toxicity: (risk of sterility)	No				
Mutagenicity: (risk of heritable genetic effects)	No				
Lethal Exposure Concentrations:	Ingestion (LD50):	28g/kg (rat)	Inhalation (LC50):	>3125ppm/4H (rat)	Skin (LD50): N/e

Section 12: Ecological Information

General Information: Avoid runoff into storms and sewers, which lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data: (percentage by weight)

CFC: 0 HFC: 0 Cl.Solv: 0 VOC: 100 HCFC: 0 ODP: 0

Section 13: Disposal Information

General Information: Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

Section 14: Transportation Information

Ground: (all sizes 1 liter or less)

Consumer Commodity, ORM-D

Ground: (all sizes larger than 1 liter)

Shipping name: Flammable Liquid, N.O.S. (ISOPROPANOL), UN# 1993, Class 3, and Packing Group II. Shipper must be trained and certified.

Air:

Shipping name: Flammable Liquid, N.O.S. (ISOPROPANOL), UN# 1993, Class 3, and Packing Group II. Shipper must be trained and certified. Refer to IATA regulations.

Sea:

Shipping name: Flammable Liquid, N.O.S. (ISOPROPANOL), UN# 1993, Class 3, and Packing Group II. Refer to IMDG regulations.

Section 15: Regulatory Information

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

SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.