



SAFETY DATA SHEET (Aerosol) Copper Hi-Temp

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	(Aerosol) Copper Hi-Temp
SUPPLIER	Autosmart International Ltd Lynn Lane, Shenstone, nr Lichfield Staffordshire. WS14 0DH England www.autosmartinternational.com Tel: +44 (0) 1543 481616 (09:00 - 17:00) Fax: +44 (0) 1543 481549 (09:00 - 17:00) info@autosmartinternational.com
PRODUCT NO.	ACHT201D
APPLICATION	High temperature grease
EMERGENCY TELEPHONE	Mob: +44 (0) 7808 971321 (24hrs) Tel: +44 (0) 1543 481616 (09:00 - 17:00) Fax: +44 (0) 1543 481549 (09:00 - 17:00)

2 HAZARDS IDENTIFICATION

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

CLASSIFICATION (1999/45) F+;R12. R52/53, R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
BUTANE	203-448-7	106-97-8	30-60%	F+;R12
ISOBUTANE	200-857-2	75-28-5	10-30%	F+;R12
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	265-151-9	64742-49-0	10-30%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
PROPANE	200-827-9	74-98-6	10-30%	F+;R12

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

NOTE! Effects may be delayed. Keep affected person under observation. NOTE! Keep affected person away from heat, sparks and flames!

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Remove victim immediately from source of exposure. Rinse mouth thoroughly. NOTE! Keep affected person away from heat, sparks and flames! DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Alcohol resistant foam. Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist. Carbon dioxide (CO2).

SPECIAL FIRE FIGHTING PROCEDURES

Ventilate closed spaces before entering them. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Do not scatter spilled material with more water than needed to fight the fire. Be aware of danger for fire to re-start. Keep run-off water out of sewers and water sources. Dike for water control. Containers close to fire should be removed or cooled with water. Be aware of danger of explosion.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire. HIGHLY FLAMMABLE! Vapours are heavier than air and may spread near ground to sources of ignition.

SPECIFIC HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. Fire creates: Carbon dioxide (CO2). Carbon monoxide (CO). Nitrous gases (NOx).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Ventilate well. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Risk of vapour concentration on the floor and in low-lying areas. Read and follow manufacturer's recommendations. During application and drying, solvent vapours will be emitted. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame. Pressurised container: Must not be exposed to temperatures above 50°C. Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3	
ISOBUTANE	WEL	800 ppm		800 ppm		
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT			1200 mg/m3			
PROPANE		Asphyxiating Asphyxiating	Asphyxiating	Asphyxiating Asphyxiating	Asphyxiating	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

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ENGINEERING MEASURES

Observe occupational exposure limits and minimize the risk of inhalation of vapours. No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.

HAND PROTECTION

Use protective gloves made of: Nitrile. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol Liquid
COLOUR	Red brown
ODOUR	Solvent.
VOLATILE ORGANIC COMPOUND (VOC)	448

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use. Avoid: Heat, sparks, flames. Shocks and physical damage.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

MATERIALS TO AVOID

Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapours may cause headache, fatigue, dizziness and nausea. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Vapour may irritate respiratory system or lungs.

INGESTION

May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach. May cause discomfort if swallowed.

SKIN CONTACT

Irritating to skin. Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting. Irritation, burning, lachrymation, blurred vision after liquid splash.

HEALTH WARNINGS

Because of quantity and composition, the health hazard is small.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes).

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment if discharged into watercourses.

WATER HAZARD CLASSIFICATION

WGK 3

(Aerosol) Copper Hi-Temp**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Do not puncture or incinerate even when empty. Empty aerosols should be recycled where facilities exist. Full or part full aerosols should be disposed of as hazardous waste in accordance with local authority requirements.

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION

UK ROAD CLASS	2.1	UK ROAD PACK GR.	#
PROPER SHIPPING NAME	AEROSOLS	ADR CLASS	Class 2.1: Flammable gases.
UN NO. ROAD	1950	HAZARD NO. (ADR)	30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.
ADR CLASS NO.	2.1	ADR LABEL NO.	2.1
ADR PACK GROUP	#	CEFIC TEC(R) NO.	20G5F
		RID CLASS NO.	2.1
		RID PACK GROUP	#
		UN NO. SEA	1950
		IMDG CLASS	2.1
		IMDG PAGE NO.	2.1
		IMDG PACK GR.	#
		EMS	F-D, S-U
		MFAG	See Guide
		MARINE POLLUTANT	No.
		UN NO. AIR	1950
		AIR CLASS	2.1
		AIR PACK GR.	#

15 REGULATORY INFORMATION**LABELLING**

Extremely Flammable

RISK PHRASES

R12	Extremely flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S51	Use only in well-ventilated areas.
S2	Keep out of the reach of children.
S35	This material and its container must be disposed of in a safe way.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

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EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION

Only trained personnel should use this material.

REVISION DATE 03/03/2008

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.