



COSHH DATA SHEET

Coil-Cleanse

Total Pages: 3

Chem-Tel Emergency Response: +1+813.248.0585
 P 0115 900 5858
 F 0115 929 4468

COSHH Safety Data Sheet #: Coil-Cleanse
 Catalogue #: COIL-CLEANSE

SECTION 1. PRODUCT NAME

Coil-Cleanse Evaporator and Condenser Cleaner

SECTION 2. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	EC No.	CAS No.	Content	Classification
1-Methoxy-2-Propanol	203-539-1	107-98-2	10-30%	R10
2-Aminoethanol	205-483-3	141-43-5	1-5%	C:R34 Xn:R20/21/22
3-Butoxypropan-2-OL	225-878-4	5131-66-8	5-10%	Xi;R36/38
Butane	203-448-7	106-97-8	5-10%	F+;R12
Isobutane	200-857-2	75-28-5	1-5%	F+;R12

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

SECTION 3. HAZARDS IDENTIFICATION

Extremely flammable.

Classification: F+;R12.

Environment: This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment

Physical and Chemical Hazards: Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

Human Health: Gas or vapour is harmful on prolonged exposure or in high concentration. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

SECTION 4. FIRST AID

General Information: Move the exposed person to fresh air at once.

Inhalation: In case of inhalation of spray mist: Move person into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion: Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention.

Skin Contact: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

Eye Contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Special Fire Fighting Procedures: Water spray should be used to cool containers. Use water to keep fire exposed containers cool and disperse vapours. Warn fire fighters that aerosols are involved.

Unusual Fire and Explosion Hazards: Extremely flammable. Forms explosive mixtures with air. May travel considerable distance to source of ignition and flash back. Aerosol cans may explode in a fire.

Specific Hazards: Aerosol containers can explode when heated, due to excessive pressure build-up.

Coil-Cleanse

SECTION 6. SPILL/ACCIDENTAL RELEASE MEASURES

Personal Precautions: Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Avoid inhalation of vapours and aerosol spray.

Environmental Precautions: Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material.

Spill Clean Up Methods: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Let evaporate. Keep out of confined spaces because of explosion risk

SECTION 7. HANDLING AND STORAGE

Usage Precautions: Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray near a naked flame or any incandescent material.

Storage Precautions: Extremely flammable. Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

SECTION 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

INGREDIENT	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
1-Methoxy-2-Propanol	WEL	100 ppm(Sk)	375 mg/m3(Sk)	150 ppm(Sk)	560 mg/m3(Sk)
2-Aminoethanol	WEL	3 ppm	7.6 mg/m3	6 ppm	15 mg/m3
3-Butoxypropan-2-OL		No std.			
Butane	WEL	600 ppm		750 ppm	
Isobutane	WEL	800 ppm		No std.	

Ingredient Comments: OES = Occupational Exposure Standard.

Engineering Measures: Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of spray.

Respiratory Equipment: In case of inadequate ventilation use suitable respirator.

Hand Protection: Due to the packaging form, aerosol, risk of skin contact is small. For prolonged or repeated skin contact use suitable protective gloves. 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.

Hygiene Measures: Wash hands after handling. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

Personal Protection: When using do not smoke.

SECTION 9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Aerosol

Odour: Organic solvents.

Physical Data Comments: Information given concerns the major ingredient.

Physical Data Comments: Information given concerns the major ingredient.

Flash Point (°C): <-40 °C

Auto Ignition Temperature (°C): 410-580

Flammability Limit - lower(%): 1.8

Flammability Limit - upper(%): 9.5

SECTION 10. STABILITY AND REACTIVITY DATA

Stability: Avoid: Heat, sparks, flames.

Conditions to Avoid: Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

Hazardous Decomposition Products: By fire, toxic gases (CO, CO₂, NOx) may be formed.

SECTION 11. TOXICOLOGY INFORMATION

General Information: Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Inhalation: In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

Skin Contact: Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

Eye Contact: Spray and vapour in the eyes may cause irritation and smarting.

Health Warnings: Arrhythmia, (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Route of Entry: Inhalation.

Target Organs: Central nervous system. Respiratory system, lungs.

Medical Symptoms: Arrhythmia, (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No negative effects on the aquatic environment are known. The product is not expected to be toxic to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

General Information: Do not puncture or incinerate even when empty.

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Empty containers must not be burned because of explosion hazard.

SECTION 14. TRANSPORTATION INFORMATION

General: This product is packed in accordance with the Limited Quantity Provisions of CDGCP2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

Coil-Cleanse



UK Road Class: 2
Proper Shipping Name: AEROSOLS
UN NO. ROAD: 1950
UK ROAD PACK GR.: Not Applicable
ADR CLASS NO.: 2, 5F
ADR CLASS Class 2.1: Flammable gases.
ADR PACK GROUP: Not Applicable
HAZARD NO. (ADR): 23 Flammable gas.
ADR LABEL NO.: 3
CEPIC TEC(R) NO.: 20G53
RID CLASS NO.: 2
RID PACK GROUP: Not Applicable
UN NO. SEA: 1950
IMDG CLASS: 2.1
IMDG PAGE NO.: 2102
IMDG PACK GR.: Not Applicable
EMS: 2-13
UN NO. AIR: 1950
AIR CLASS 2.1 AIR PACK GR.: Not Applicable

SECTION 15. REGULATORY INFORMATION

Labelling:



Extremely Flammable

Risk Phrases: R12 Extremely flammable.

Safety Phrases: S2 Keep out of the reach of children

S16 Keep away from sources of ignition - No smoking.

S51 Use only in well-ventilated areas.

U1 Do not breathe vapour or spray.

UK Regulatory References: The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU Directives: Dangerous Substance Directive 67/548/EEC. 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. The Aerosol Dispensers Regulations 1977 & 1999

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

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

National Regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

SECTION 16. OTHER INFORMATION

SDS No.: COIL-CLEANSE

Safety Data Sheet Status: Approved.

Date: 11th May, 2009

Risk Phrases in Full

R10 Flammable.

R12 Extremely flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

SECTION 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, contraindications and precautions for the treatment of patients.

SECTION 18. MANUFACTURER:

Distributed by:

DiversiTech UK Limited

Glaisdale Drive East

Nottingham

NG8 4LY

Phone: 0115 900 5858

EMERGENCY Phone No.: Chem-Tel Emergency Response: +1 813 248 0585

International Chemical Emergency Contact: +1+813.248.0585 (Chem-Tel, Inc.)