



SAFETY DATA SHEET METAL DEGREASING SOLVENT

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

PRODUCT NAME METAL DEGREASING SOLVENT
PRODUCT NO. MDS
EMDS01L
ZE
APPLICATION Cleaning Product
SUPPLIER ELECTROLUBE. A division of
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2 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.

CLASSIFICATION (1999/45) Carc. Cat. 3;R40.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
DICHLOROMETHANE	200-838-9	75-09-2	80-100%	Carc. Cat. 3;R40

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

COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

Treat symptomatically

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. 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. Get medical attention if irritation persists after washing.

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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

METAL DEGREASING SOLVENT

SPECIFIC HAZARDS

Fire creates: Corrosive gases/vapours/fumes of: Hydrogen chloride (HCl).

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wear necessary protective equipment.

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.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DICHLOROMETHANE	WEL	100 ppm	350 mg/m3	300 ppm	1060 mg/m3	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORY EQUIPMENT

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

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. 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, tight fitting safety glasses where splashing is 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! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
BOILING POINT (°C)	121
MELTING POINT (°C)	-21
RELATIVE DENSITY	1.305 @ 20 °c
FLASH POINT (°C)	none
AUTO IGNITION	420
TEMPERATURE (°C)	

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

METAL DEGREASING SOLVENT

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

High temperatures generate: Carbon dioxide (CO₂). Carbon monoxide (CO). Hydrogen chloride (HCl).

11 TOXICOLOGICAL INFORMATION

HEALTH WARNINGS

INHALATION. May cause irritation to the respiratory system. SKIN CONTACT. Prolonged or repeated contact leads to drying of skin. May cause skin irritation/eczema. EYE CONTACT. Irritating to eyes. INGESTION. May cause stomach pain or vomiting.

Name	DICHLOROMETHANE
Toxic Dose 1 - LD 50	670 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No data on possible environmental effects have been found.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	DICHLOROMETHANE
UDF Phrase 1	Class 6.1: Toxic Substances
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	1593
ADR CLASS NO.	6.1
ADR CLASS	Class 6.1: Toxic substances.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	60
ADR LABEL NO.	6.1
HAZCHEM CODE	2Z
UN NO. SEA	1593
IMDG CLASS	6.1
IMDG PACK GR.	III
EMS	F-A, S-A
UN NO. AIR	1593
AIR CLASS	6.1
AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING

METAL DEGREASING SOLVENT



Harmful

CONTAINS

DICHLOROMETHANE

RISK PHRASES

R40

Limited evidence of a carcinogenic effect.

SAFETY PHRASES

S36/37

Wear suitable protective clothing and gloves.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Chemicals (Hazard Information & Packaging) Regulations.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. Control of Pollution Act 1974.

EU DIRECTIVES

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

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

APPROVED CODE OF PRACTICE

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

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

ISSUED BY

Helen O'Reilly

REVISION DATE

NOVEMBER 2010

REV. NO./REPL. SDS

3

GENERATED

SDS NO.

10529

RISK PHRASES IN FULL

R40

Limited evidence of a carcinogenic effect.

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.