



Dry Tech Aerogels (Pty) Ltd

The right coating for ultimate insulation.

Aerogel Products and Integrated Service Provider Leader in Energy

LIQUI GLASS SAFETY DATA SHEETS (Product codes Aer025 to AerAer041)

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

PRODUCT NO. APPLICATION SUPPLIER

EMERGENCY TELEPHONE

CCM800 Graffiti / Paintremover CCM GmbH Diepenbroich 8 D-51491 Overath Germany

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2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xi; R36.F; R11. R31, R67.

Flam. Liq. 2-H225

EUH031; Eye Irrit. 2-H319; STOT Single 3-H336 Not classified.

CLASSIFICATION (EC 1272/2008) Physical and Chemical Hazards Human Health Environment LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008

Danger SIGNAL WORD HAZARD STATEMENTS

H225 H319 H336 PRECAUTIONARY STATEMENTS P102+405 P280

P264B P260e P370+380 SUPPLEMENTARY PRECAUTIONARY STATEMENTS P210

P233 P303+361+353

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

Store locked up. Keep out of reach of children.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash with soap and water after handling. Do not breathe vapours. In case of fire: Evacuate area.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+340

P305+351+338

P312 P501E

SupplementalLabelInformation(EU) EUH031

IFINHALED:Removevictimtofreshairandkeepatrestina positioncomfortableforbreathing.

IFINEYES:Rinsecautiouslywithwaterforseveralminutes. Removecontactlenses,
ifpresentandeasytodo.Continuerinsing. CallaPOISON CENTERordrctor/physicianifyoufeelunwell.

Wastes, includingemptiedcontainers, arecontrolledwastesand
shouldbedisposedofinaccordancewithregulationsmadeunder
theControlofPollutionActandtheEnvironmentalProtectionAct. Do
notallowintodrainsorwatercoursesordisposeofwhere groundorsurfacewatermay beaffected.

Contactwithacidsliberatestoxicgas.

ENVIRONMENT Theproductisnotexpectedtobehazardoustotheenvironment. HUMAN HEALTH
Splashesintheeyesmay causedrednessandirritation.

3COMPOSITION/INFORMATION ONINGREDIENTS

1-METHOXY-2-PROPANOL 10-30%

CAS-No.:107-98-2 ECTNo.:203-539-1

Classification(67/548/EEC) R10 R67

Classification(EC1272/2008) Flam.Liq.3-H226 STOTSingle3-H336

BUTANONE 5-10%

CAS-No.:78-93-3 ECTNo.:201-159-0

Classification(67/548/EEC) F;R11 Xi;R36 R66 R67

Classification(EC1272/2008) Flam.Liq.2-H225 EUH066 EyeIrrit.2-H319 STOTSingle3-H336

2-(2-BUTOXYETHOXY)ETHANOL 5-10%

CAS-No.:112-34-5 ECTNo.:203-961-6

Classification(67/548/EEC) Xi;R36

Classification(EC1272/2008) EyeIrrit.2-H319

hydrocarbonsC9-11,n-alkanes,isoalkanes,cyclics,<2%aromatics 5-10%

CAS-No.: ECTNo.:919-857-5

Classification(67/548/EEC) Xn;R65. R10,R66.

Classification(EC1272/2008) Flam.Liq.3-H226 EUH066 STOTSingle3-H336 Asp.Tox.1 -H304

surfactant 1-5%

CAS-No.: ECNo.:

Classification(EC1272/2008) Notclassified.

Classification(67/548/EEC) Xi;R36/38.

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hydroxypropylmethylcellulose

<1%

CAS-No.:9004-65-3 ECNo.:

Classification(67/548/EEC) Notclassified.

Classification(EC1272/2008) Notclassified. TheFullTextforallR-PhrasesandHazardStatementsisDisplayedinSection16

4FIRST-AID MEASURES

GENERAL INFORMATION Removeaffectedpersonfromsourceofexposure.Providefreshair, first-aid, warmth andrest. Do notgivevictimanythingtodrinkiftheyare

unconscious.Getmedicalattentionifanydiscomfortcontinues. INHALATION

Ifunconsciousorbreathingisirregularplaceontheirsideintherecoverypositionandensuretheirairwaysare clear. Artificialrespirationmaybeadministeredbysuitablyqualifiedfirst-

aidersifthepatientisunconsciousorbreathingis difficult. Get immediatemedicalattention. INGESTION

IfswalloweddoNOT inducevomiting.

Nevergiveanythingbymouthtoanunconsciousperson.Rinemouththoroughlyandseekmedicalattention ifdiscomfort persists.Keeppatientunderobservation. SKINCONTACT

Immediatelyremovecontaminatedclothing.

Washoffpromptlyandflushcontaminatedskinwithwater.Promptlyremove

clothingifsoakedthroughandflushskinwithwater. Launderclothingbeforere-use. EYECONTACT

Checkforcontactlenseswhichmustberemovedfromtheeyesbeforerinsing.

Promptlyrinseeeyeswithplentyofcleanwaterwhileliftingtheeyelids.

Continuetorinseforatleast15minutes.Continueuntiltheeyesarefreeofalltracesofcontamination. Get medicalattentionifanydiscomfortorirritationpersists.

5FIRE-FIGHTING MEASURES

EXTINGUISHINGMEDIA Extinguishwithfoam, carbondioxide, drypowder, sand, dolomiteorotherinertmaterial.Do notusehighpressurewater jetasthismay spreadburningmaterial.

SPECIFICHAZARDS

Infireconditionsthisproductmayevolvegaseousoxidesofcarbonandnitrogenaswellasgivingoffintenseheat.

Burningmaterialgivesoffdensesmokeandfumeswhichmaycontainothertoxicandharmfulgases.Vapours areheavier thanairandmay

travelalongthefloorandinthebottomofcontainers.Vapoursmaybeignitedbyaspark, ahotsurfaceor anember. PROTECTIVE MEASURESINFIRE Wearself-

containedbreathingapparatusandfullprotectiveclothing.Keepallunnecessarypeopleaway.Firewaterru

n-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Wear protective clothing (see Section 8). **ENVIRONMENTAL PRECAUTIONS** Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges into water courses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

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Name STD TWA-8Hrs STEL-15Min Notes

1-METHOXY-2-PROPANOL WEL 100ppm 375mg/m³ 150ppm 560mg/m³ Sk 2-(2-BUTOXYETHOXY)ETHANOL 10ppm 67.5mg/m³ 15ppm 101.2 mg/m³ BUTANONE WEL 200 ppm(Sk) 600 mg/m³(Sk) 300 ppm(Sk) 899 mg/m³(Sk) hydrocarbons C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics WEL 1000mg/m³ 3 hydroxypropylmethylcellulose 10mg/m³ 3 inh.dust 4mg/m³ resp.dust

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SPILL CLEANUP METHODS Keep combustibles away from spilled material. Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses. Wash thoroughly after dealing with spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS Use only with adequate ventilation. Do not breathe vapour or mist. Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres. Avoid spilling, skin and eye contact. Wash thoroughly after handling. **STORAGE PRECAUTIONS** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

WEL=Workplace Exposure Limit. COSHH Sk=Can be absorbed through skin. STD WEL=Workplace Exposure Limits **PROCESS CONDITIONS** Provide eye wash station. **ENGINEERING MEASURES** Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. **RESPIRATORY EQUIPMENT** If ventilation is insufficient suitable respiratory protection must be provided. Seek recommendations and advice from equipment manufacturer or supplier. **HAND PROTECTION** Suitable gloves may include Neoprene, nitrile or PVC. **EYE PROTECTION** Wear tightly fitting safety goggles conforming to EN166 Contact lenses should not be worn when working with this chemical! **OTHER PROTECTION**

Use engineering control to reduce air contamination to permissible exposure level.
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Provide eye wash station and safety shower. HYGIENE MEASURES
Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE BOILING POINT(°C)

Liquid ca. 74°C

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CCM 800 Graffiti / Paint Remover FLASHPOINT(°C) ca. -6°C

10 STABILITY AND REACTIVITY

STABILITY Stable under normal conditions of storage and use. See section 7. CONDITIONS TO AVOID
Avoid heat, flames and other sources of ignition. Avoid contact with acids. MATERIALS TO AVOID
Strong acids. HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition or combustion may
liberate carbon oxides and other toxic gases or vapours. DANGEROUS REACTIONS
Contact with hydrochloric acid and/or hydrogen chloride containing or producing materials may form carcinogenic chloromethylethers.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Health effects of this preparation as supplied have not been fully determined. The information below should be regarded as precautionary. INHALATION In high concentrations, vapours may irritate the throat and respiratory system and cause coughing. Vapour has a narcotic effect and may cause headache, fatigue, dizziness and nausea. INGESTION Gastrointestinal symptoms, including upset stomach. SKIN CONTACT Can cause de-fatting and dryness of skin, leading to cracking and eczema. Unlikely to cause harm briefly for occasional contact, but prolonged or repeated exposure may lead to dermatitis. EYE CONTACT Irritating and may cause redness and pain. Eye contact with methanol or its vapour can cause blindness. ROUTE OF ENTRY Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

ECOTOXICITY The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty but unlaunched containers must be treated in the same manner.

neras when full; labels should not be removed. DISPOSAL METHODS Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

14 TRANSPORT INFORMATION

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PAINT RELATED MATERIAL 1263 3 Class 3: Flammable liquids. II (D/E) 33 3 • 3YE 1263 3 II F-E, S-E 1263 3 II

PROPER SHIPPING NAME UNNO. ROAD ADR CLASS NO. ADR CLASS ADR PACK GROUP TUNNEL
RESTRICTION CODE HAZARD No. (ADR) ADRLABEL NO. HAZCHEM CODE UNNO. SEA IMDG CLASS IMDG
PACKGR. EMS UNNO. AIR AIRCLASS AIRPACKGR.

15 REGULATORY INFORMATION

EU DIRECTIVES EC Regulation 1272/2008: CLP (Classification, labelling and packaging of substances and mixtures). Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. EC Regulation 1907/2006 (as amended): 'REACH'.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).
Control of Substances Hazardous to Health Regulations (as amended). (COSHH)
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG2009)

GUIDANCE NOTES Introduction to Local Exhaust Ventilation HS(G)37.

The storage of flammable liquids in containers HSG51 (HSE1998). COSHH

essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at www.hse.gov.uk/pubns/guidance/index.htm

16 OTHER INFORMATION

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HAZARD STATEMENTS IN FULL EUH066 Repeated exposure may cause skin dryness or cracking., H225 Highly flammable liquid and vapour., H226 Flammable liquid and vapour., H304 May be fatal if swallowed and enters airways., H319 Causes serious eye irritation., H336 May cause drowsiness or 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 material 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 as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to