



SAFETY DATA SHEET

DARACLAR 920

Page: 1

Compilation date: 08/11/2013

Revision date: 23/01/2015

Revision No: 2

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: DARACLAR 920

REACH registered name: SILICON DIOXIDE

REACH registered number(s): 01-2119379499-16-XXXX

CAS number: 7631-86-9

EINECS number: 231-545-4

Product code: DARA920

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Beverage Processing Aids and Other Usages

1.3. Details of the supplier of the safety data sheet

Company name: Murphy and Son Ltd

Alpine Street

Nottingham

Nottinghamshire

NG6 0HQ

United Kingdom

Tel: 0115 978 5494

Email: technical@murphyandson.co.uk

1.4. Emergency telephone number

Emergency tel: +44 115 978 5494

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

[cont...]

SAFETY DATA SHEET

DARACLAR 920

Page: 2

3.1. Substances

Chemical identity: DARACLAR 920

CAS number: 7631-86-9

EINECS number: 231-545-4

REACH registered number(s): 01-2119379499-16-XXXX

Contains: Amorphous Silicon Dioxide, Chemically Prepared CAS: 7631-86-9, EINECS: 231-545-4

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Obtain medical attention if pain, blinking, tears or redness persist.

Ingestion: Wash out mouth with water. Seek medical attention if ill effect develops

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Obtain medical attention if breathing difficulty and / or other complaints appear

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: No symptoms.

Eye contact: No symptoms.

Ingestion: No symptoms.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Damp down dust with water spray. Do not discharge into drains or rivers.

[cont...]

SAFETY DATA SHEET

DARACLAR 920

Page: 3

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Avoid generation and spreading of dust. Sweep up or vacuum up the product Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of dust in the air. Ensure there is exhaust ventilation of the area. Use non-sparking tools. Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area.

7.3. Specific end use(s)

Specific end use(s): Beverage Processing Aids and Other Usages

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	10mg/m ³	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Use Respiratory protection if the OEL is exceeded. Particle filter class P2S (EN143).

Hand protection: Protective gloves. Wear gloves for protection against mechanical hazards according to EN 388 EN420: Minimum requirements for efficiency level 1 of all groups. Breakthrough time of the glove material > 8 hours. Butyl gloves. Nitrile gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Fine powder

Colour: White

[cont...]

SAFETY DATA SHEET

DARACLAR 920

Page: 4

Odour: Odourless

Evaporation rate: Not applicable.

Oxidising: Not applicable.

Solubility in water: Insoluble

Viscosity: Not applicable.

Boiling point/range°C: 2230

Melting point/range°C: 1610

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: N/a

Vapour pressure: Not applicable.

Relative density: 2.17 -2.20g/cm³

pH: 4.0-9.0

VOC g/l: Not applicable.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: None known

10.5. Incompatible materials

Materials to avoid: None Known

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: No symptoms.

Eye contact: No symptoms.

Ingestion: No symptoms.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

[cont...]

SAFETY DATA SHEET

DARACLAR 920

Page: 5

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
ZEBRAFISH (Brachydanio rerio)	96H LC0	10000	mg/l
Daphnia magna	24H EC50	>1000	mg/l
Scenedesmus Subspicatus	72H ErC50	>1000	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose in a safe manner in accordance with local/national regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Directive 2003/105EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances. The product is not subject to identification regulations under EU directives and the Ordinance on Hazardous Materials.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

SAFETY DATA SHEET

DARACLAR 920

Page: 6

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Legend to abbreviations: PNEC = predicted no effect level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
EC50 = median effective concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular/corneal
PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.