

CAP HEAVY

MATERIAL SAFETY DATA SHEET

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAP Ultra Fine
Recommended Use: Polishing Compound
Supplier: SPQR Australia P/L
Street Address: 37 Production Drive
Campbellfield, Victoria
Australia 3061
Phone Number: +61 3 9357 5503
Email: info@finalinspection.com.au

HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

The mixture is not classified as dangerous in the terms of the directive 1999/45/EC

Label Elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Symbols: Not applicable

Indications of danger: ---

R-Phrases:

S-Phrases:

Additions:

Safety data sheet available for professional user on request

Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is included under Xiii of the regulation (EC)1907/2006

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under Xiii of the regulation (EC) 1907/2006

COMPOSITION/INFORMATION ON INGREDIENTS

Substance

N/A

Mixture

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	
Registration Number (REACH)	01-2119456810-40-XXXX
Index	---
EINECS, ELINCS, NLP	920-901-0 (REACH-IT List-No.)
CAS	(90622-58-5)
Content %	10-15
Classification according to Directive 67/548/EEC	Harmful, Xn, R65, R66
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp. TOx. 1, H304

DESCRIPTION OF FIRST AID MEASURES

Never pour anything into the mouth of an unconscious person!

Inhalation: Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms

Skin Contact: Remove polluted, soaked clothing immediately. Wash thoroughly with plenty of water and soap. In case of irritation of the skin (flare) consult a doctor.

Eye contact: Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion: Rinse the mouth thoroughly with water. Give copious water to drink – consult doctor immediately.

Most important symptoms and effects, both acute and delayed:

If applicable delayed symptoms and effects can be found in Toxicological Information and the absorption route in Description of first aid measures

The following may occur:

Irritation of the eyes

With long-term contact:

Drying of the skin

Dermatitis (skin inflammation)

Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

EXTINGUISHING MEDIA

Suitable extinguishing media

Adapt to the nature and extent of fire

Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing Media

High volume water jet

Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic gases

Advice for fire fighters

In case of fire and/or explosion do not breathe fumes

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

Cool container at risk with water

Dispose of contaminated extinction water according to official regulations

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition – do not smoke

Ensure sufficient supply of air

Avoid contact with eyes or skin

If applicable, caution – risk of slipping

Environmental precautions

If leakage occurs, dam up

Prevent surface and ground-water infiltration, as well as ground penetration

Prevent from entering drainage system

If accidental entry into drainage system occurs, inform responsible authorities

Methods and materials for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Disposal Considerations **OR** Pick up mechanically and dispose of according to Disposal Considerations

Reference to other sections

For personal protective equipment see Exposure controls/personal protection and for disposal instructions see Disposal Considerations

HANDLING AND STORAGE

In addition to information given in this section, relevant information can also be found in Exposure controls/personal protection and Personal precautions, protective equipment and emergency procedures

Precautions for Safe Handling

General Recommendations

Ensure good ventilation

Avoid build up of dust

Avoid contact with eyes

Prevent long-term skin contact

Eating, drinking, smoking as well as food-storage is prohibited in work-room

Observe directions on label and instructions for use

Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable

Wash hands before breaks and at end of work

Keep away from food, drink and animal feedingstuffs

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells

Store product closed and only in original packing

Store at room temperature

Specific end use(s)

No information available at present

EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 1200 mg/m³

Chemical Name	Hydrocarbons, C11-C13, isolkanes, <2% aromatics	Content %: 10-15
WEL-TWA: 1200 mg/m ³ (>=C7 normal and branched chain alkanes)	WEL-STEL: 2(11) (AGW)	---
BMGV: ---	Other Information: ---	

Chemical Name	Aluminium Oxide	Content %:
WEL-TWA: 10 mg/m ³ (total inhal. Dust), 4 mg/m ³ (resp.dust)(aluminium oxides)	WEL-STEL: ---	---
BMGV: ---	Other Information: ---	

Chemical Name	Oil Mist, Mineral	Content %:
WEL-TWA: 5 mg/m ³ (ACGIH)	WEL-STEL: 10 mg/m ³ (ACGIH)	---
BMGV: ---	Other Information: ---	

Chemical Name	Glycerine	Content %:
WEL-TWA: 10 mg/m ³ (mist)	WEL-STEL: ---	---
BMGV: ---	Other Information: ---	

WEL-TWA = Workplace Exposure Limit – Long –term exposure limit (8-hour TWA(=time weighted average) reference period) EH40. AGW = “Arbeitsplatzgrenzwert” (workplace limit value, Germany).I WEL-STEL = Workplace Exposure Limit – Short-term exposure limit (15 minute reference period). IBMGV = Biological monitoring guidance value EH40. BGW = “Biologischer Grenzwert” (biological limit value, Germany) Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage

** = The exposure limit for this substance is repealed through the TRGS900 (Germany) of January 2006 with the goal of revision.

Aluminium Oxide						
Area of Application	Exposure route/Environmental compartment	Effect on health	Description	Value	Unit	Note
Consumer	Human-Oral	Long term	DNEL	6.22	Mg/kg/bw /day	
Industrial	Human – inhalation	Long term	DNEL	3	Mg/m ³	
Commercial	Human – Inhalation	Long term	DNEL	3	Mg/m ³	
	Environment – sewage treatment plant		PNEC	20	Mg/l	

Exposure controls

Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Individual protection measures, such as Personal Protective Equipment

General hygiene measures for the handling of chemicals are applicable

Wash hands before breaks and at end of work

Keep away from food, drink and animal feedingstuffs

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/Face Protection

With danger of contact with eyes

Tight fitting protective goggles with side protection (EN 166)

Skin protection-Hand Protection

Protective Neopren gloves (EN 374)

Protective nitrile gloves (EN 374)

Protective Viton gloves (EN 374)

Permeation time (penetration time) in minutes:

>240-480

Protective hand cream recommended

Skin Protection – Other

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeve protective working garments)

Respiratory Protection

Normally not necessary

If OES or MEL is exceeded

Filter A2 P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment

Thermal hazards:

Not applicable

Additional information on hand protection – No tests have been performed

In case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturers indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

Environmental exposure controls

No information available at present

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Pastelike
Colour:	According to specification
Odor:	Characteristic
Odor Threshold:	Not determined
pH-value:	7-8.5
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	~100°C
Flash Point:	>65°C
Evaporation point:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapor pressure:	Not determined
Vapor density (air = 1):	Not determined
Density:	0.9-1.4 g/ml (20°C)
Bulk density:	N/A
Solubility(ies):	Not determined
Water solubility:	Dispersion
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	10000-15000 mPas (20°C)
Explosive properties:	Product is not explosive
Oxidizing properties:	No
Other information	
Miscibility:	Not determined
Fat solubility/solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

STABILITY AND REACTIVITY

Reactivity:

Not to be expected

Chemical Stability:

Stable with proper storage and handling

Possibility of hazardous reactions:

No dangerous reactions are known

Conditions to avoid

See Handling and Storage

Emulsions separated by thermal action or excess storage can still be used without any loss of quality if they are mixed thoroughly again.

Incompatible materials

See Handling and Storage

Avoid contact with strong oxidizing agents

Avoid contact with strong acids

Hazardous decomposition products

See Special hazards arising from the substance or mixture

No decomposition when used as directed

TOXICOLOGICAL INFORMATION

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route						n.d.a
Acute toxicity by dermal route						n.d.a
Acute toxicity by inhalation						n.d.a
Skin corrosion/irritation						n.d.a
Serious eye damage/irritation						n.d.a
Respiratory or skin sensitisation						n.d.a
Germ cell mutagenicity						n.d.a
Carcinogenicity						n.d.a
Reproductive toxicity						n.d.a
Specific target organ toxicity – Single exposure (STOT-SE)						n.d.a
Specific target organ toxicity – repeated exposure (STOT-RE)						n.d.a
Aspiration hazard						n.d.a
Respiratory tract irritation						n.d.a
Repeated close toxicity						n.d.a
Symptoms						n.d.a
Other toxicity data						Classification according to calculate procedure

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity by oral route	LD50	>5000	Mg/kg	Rat		Analogous conclusion
Acute toxicity by dermal route	LD50	>5000	Mg/kg	Rabbit		Analogous conclusion
Acute toxicity by inhalation	LC50	>5000	Mg/m ³	Rat		Analogous conclusion ^{8h}
Skin corrosion/irritation						Mild irritation (Analogous conclusion) Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation						Mild irritant (Analogous conclusion)
Respiratory or skin sensitization						No indications of such an effect
Germ cell mutagenicity						No indications of such an effect
Carcinogenicity						No indications of such an effect
Reproductive toxicity						No indications of such an effect
Specific target organ toxicity – repeated exposure (STOT-RE)						Analogous conclusion, Negative
Aspiration hazard						Yes
Symptoms						Headaches, dizziness

Results of PBT and VPvB assessment							n.d.a
Other adverse effects							n.d.a

Hydrocarbons, C11-C13 isolkanes, <2% aromatics							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish	LL0	96h	1000	Mg/l	(Oncorhynchus mykiss)		Analogous conclusion
Toxicity to daphnia	NOELR	21d	1	Mg/l	(Daphnia magna)		
Toxicity to daphnia	EL0	48h	1000	Mg/l	(Daphnia magna)		Analogous conclusion
Toxicity to algae	EL0	72h	1000	Mg/l	(Pseudokirchneriella subcapitata)		Analogous conclusion
Toxicity to algae	NOELR	72h	1000	Mg/l	(Pseudokirchneriella subcapitata)		Analogous conclusion
Persistence and degradability		28d	31.3	%			Analogous conclusion

Glycerine							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish	LC50	96h	>5000	Mg/l	(Carassius auratus)		
Toxicity to fish	LC50	96h	>10000	Mg/l	(Leuciscus idus)		
Toxicity to daphnia	EC50	24h	>10000	Mg/l	(Daphnia magna)		
Toxicity to algae	IC5	7d	>10000	Mg/l	(Scenedesmus quadricauda)		
Persistence and degradability		14d	63	%		OECD 301 C (Ready biodegradability – Modified MITI Test (I))	
Bioaccumulative potential	Log POW		-2.66				
Results of PBT and vPvB assessment							N/A
Toxicity to bacteria	EC5	16h	>10000	Mg/l	(Pseudomonas putida)		
Other ecotoxicological data	BOD5		0.87	g/g			
Other ecotoxicological data	COD		1.16	g/g			

DISPOSAL CONSIDERATIONS

Water Disposal Methods:

For the substance/mixture/residual amounts

EC disposal code no:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

12 01 14 machining sludges containing dangerous substances

12 01 20 spent grinding bodies and grinding materials containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. disposal at suitable refuse site

E.g. suitable incineration plant

For contaminated packing material

Pay attention to local and national official regulations

Empty container completely

Untampered packaging can be recycled

Dispose of packaging that cannot be cleaned in the same manner as the substance

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 04 metallic packaging

TRANSPORT INFORMATION

General Statements:

UN Number: N/A

Transport by road/by rail (ADR/RID)

UN proper shipping name: N/A

Transport hazard class(es): N/A

Packing Group: N/A

Classification Code: N/A

LQ (ADR 2011): N/A

LQ (ADR 2009): N/A

Environmental hazards: Not applicable

Tunnel restriction code:

Transport by sea (IMDG-code)

UN proper shipping name:

Transport hazard class(es): N/A

Packing group: N/A

Marine Pollutant: N/A

Environmental hazards: Not applicable

Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es): N/A

Packing group: N/A

Environmental hazards: Not applicable

Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Non dangerous material according to Transport Regulations

REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the mixture

Observe restrictions: N/A
VOC: 10-15%

Chemical safety assessment

A chemical safety assessment is not provided for mixtures

OTHER INFORMATION

These details refer to the product as it is delivered

The following statements are the indicated R-phrases/H-Phrases and classification codes (GHS/CLP) for the Composition/information on ingredients

65 Harmful: may cause lung damage if swallowed

66 Repeated exposure may cause skin dryness or cracking

H304 May be fatal if swallowed and enters airways

ANY ABBREVIATIONS AND ACRONYMS USED IN THIS DOCUMENT

AC	Article Categories
Acc., acc. To	According, according to
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Accord europeen relative au transport international des marchandises Dangereuses par Route (=European Agreement concerning the International Carriage of Dangerous goods by road)
AOEL	Acceptable Operator Exposure Level
AOX	Adsorbable organic halogen compounds
Approx.	Approximately
Art., Art no.	Article Number
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Bundesanstalt fur Materialforschung und-prufung (Federal Institute for Materials Research and testing, Germany)
BAuA	Bundesanstalt fur Arbeitsschutz und Arbeitsmedizin (=Federal Institute for Occupational Health and Safety, Germany)
BCF	Bioconcentration factor
BGV	Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT	Butylhydroxytoluol (=2,6-Di-t-butyl-4-methyl-phenol)
BMGV	Biological monitoring guidance value (EH40, UK)
BOD	Biochemical oxygen demand
BSEF	Bromine Science and Environmental Forum
Bw	Body Weight
CAS	Chemical Abstracts Service
CESIO	Comite Europeen des Agents do Surface et de leurs Intermediaries Organiques
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures)
CMR	carcinogenics, mutagenic, reproductive toxic
COD	Cosmetic, oxygen demand
CTFA	Cosmetic, Toiletry and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No effect Level
DOC	Dissolved organic carbon
DT50	Dwell time – 50% reduction of start concentration
DVS	Deutscher Verband fur Schweißen und verwandte Verfahren e.V. (=German Association for Welding and Allied Process)

Dw	Dry Weight
e.g.	For example (abbreviation of Latin 'exempli gratia') for instance
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories
ES	Exposure Scenario
Etc.	Et Cetera
EU	European Union
EWC	European Waste Catalogue
Gen.	General
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
GWP	Global warming potential
HET-CAM	Hen's Egg Test – Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	International Bulk Container (Code)
IC	Inhibitory Concentration
IMDG-code	International Maritime Code for Dangerous Goods
Incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
LC	Lethal Concentration
LC50	Lethal Concentration 50 percent kill
LCLo	Lowest published lethal concentration
LOAELL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from ships
N/A	Not applicable
N/AV	Not available
N/C	Not checked
N.d.a	No data available
NIOSH	National Institute of Occupational Safety and Health (United States of America)
NOAEC	No observed Adverse Effective Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
ODP	Ozone Depletion Potential
OECD	Organisation for Economic Co-operation and Development
Org.	Organic
PAH	Polycyclic aromatic hydrocarbon
PBT	Persistent, bioaccumulative and toxic
PC	Chemical product category
PE	Polyethylene
PNEC	Predicted No effect Concentration

POCP	Photochemical ozone creation potential
Ppm	parts per million
PROC	Process category
PTFE	Polytetrafluorethylene
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT list No9xx-xxx-x No.	is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List numbers do not have any legal significance, rather they are technical identifiers for processing a submission via REACH-IT
RID	Reglement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT	Self-accelerating Decomposition Temperature
SAR	Structure Activity Relationship
SU	Sector of use
SVHC	Substances of Very High Concern
Tel.	Telephone
ThOD	Theoretical oxygen demand
TOC	Total organic carbon
TRGS	Technische Regeln für Gefahrstoffe (= Technical Regulations for Hazardous Substances)
VbF	Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
WEL-TWA, WEL-STEL, WEL-TWA	Workplace Exposure Limit – Long-term Exposure Limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit – Short-term exposure limit (15 minute reference period) (EH40, UK)
WHO	World Health Organisation
Wwt	Wet weight

The statements made here should describe the product with regard to the necessary safety precautions. They are not meant to guarantee definite characteristics, but they are based on our present up to date knowledge. No responsibility.