

Product name Celcon®
MSDS number 870610001
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.06.2014

AGHS/EN

1. Identification of the substance/preparation and the company/undertaking

Product name
Celcon®

The following SDS applies to products described by combinations of the following trade name, product grade and color code listed below.

Product Grade(s):

AS270, CE66, CE66FC, CE67, CE67FC, CF801, EF10, FG40U01, GB10, LM90-07, LM90Z, LP93-07, LU02, LW25-S2, LW90, LW90-S2, LW90-SC, LM140, M140-L1, M15HP, M25, M25T, M25UV, M270™, M270-14, M270T, M270UV, M450, M50, M90™, M90-07XAP®, M90-14, M90-17, M90-34, M90-45H, M90-45XAP®, M90AW, M90C, M90LF, M90SCX, M90SW, M90T, M90UV, MC270, MC270-HM, MC90-HM, MR25B, MR270B, MR50B, MR90B, MC90, TF-10XAP®, TX90, TX90PLUS, UV140LG, UV25Z, UV270Z, UV90Z, WR25HT, WR90Z

Color Code:

See Section 16 for list of Color Codes

Manufacturer or supplier's details

Celanese (Shanghai) International Trading Co., Ltd.

Room 239, Xinmao Building
South Taizhong Road
Waigaoqiao Free Trade Zone
Shanghai, China

Celanese Pte Ltd

138 Robinson Road
#17-00
Singapore (068906)

Product Information

info-engineeredmaterials-asia@celanese.com

Emergency telephone number

+(65) 62656917 (Operations Room direct dial)
or fax request to +(65) 62664696 (Facsimile to Operations Room)
or email to posh.er@paccoffshore.com.sg

In China Emergency Number: 86-532-83889090 (NRCC)

Synonyms:

Acetal copolymer Polyoxymethylene copolymer

Identified uses

Plastic processing industry.

2. Hazards identification

SAFETY DATA SHEET



Product name Celcon®
MSDS number 870610001
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.06.2014

AGHS/EN

Statements of Hazard Not a dangerous product according to GHS

3. Composition/Information on ingredients

Chemical characterization Polyacetal Copolymer / POM; CAS-RN of the basic polymer: 24969-26-4

Components	CAS-No	Percent %
Formaldehyde	50-00-0	< 0.1

4. First aid measures

Skin

Cool skin rapidly with cold water after contact with molten polymer. Immediate medical attention is required. Do not peel solidified product off the skin.

Eyes

Immediately flush eye(s) with plenty of water. Call a physician if irritation persists.

Inhalation

Move to fresh air in case of accidental inhalation of vapors. Get medical attention immediately if symptoms occur.

Ingestion

If swallowed, do not induce vomiting - seek medical advice.

Notes to physician

This product is essentially inert and nontoxic. However, if it is overheated or burns, gases such as carbon monoxide and formaldehyde may be released. Those exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin levels checked. If the carboxyhemoglobin levels are normal and the exposure occurred in an enclosed space, asphyxia (carbon dioxide replacing oxygen) is a possibility. Formaldehyde is a respiratory irritant gas. If patients may have inhaled high concentrations of irritating fumes they should be monitored for delayed onset pulmonary edema.

5. Fire-fighting measures

NFPA: Health: 1

Flammability: 1

Instability: 0

Suitable extinguishing media

Water, Foam

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO₂)

Formaldehyde vapours

SAFETY DATA SHEET



Product name Celcon®
MSDS number 870610001
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.06.2014

AGHS/EN

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Environmental precautions

Dike and collect water used to fight fire.

Other Information

Potential dust explosion hazard

6. Accidental release measures

Personal precautions

Remove all sources of ignition. Avoid dust formation. Do not breathe dust.

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Use mechanical handling equipment.

7. Handling and storage

Advice on safe handling

Provide for appropriate exhaust ventilation and dust collection at machinery.

Incompatible products

strong acids, oxidizing agents, Polyvinyl chloride

Protection - fire and explosion:

Keep away from sources of ignition - No smoking. Potential dust explosion hazard.

Material storage

To maintain product quality, do not store in heat or direct sunlight. Keep in a dry place.

Incompatible products

strong acids, oxidizing agents, Polyvinyl chloride

Technical measures/Storage conditions

No special storage conditions required.

8. Exposure controls / personal protection

ACGIH Exposure Limits

Components	Ceiling Limit Value:
Formaldehyde	0.3 PPM

Exposure controls

Engineering measures

General: May not be adequate as the sole means to control employee exposure.
Local Exhaust: Recommended when appropriate to control employee exposure to dust or process vapors.

SAFETY DATA SHEET



Product name Celcon®
MSDS number 870610001
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.06.2014

AGHS/EN

Personal protective equipment

General advice	Do not breathe dust. Avoid contact with skin and eyes.
Hygiene measures	When using, do not eat, drink or smoke. Clean skin thoroughly after work; apply skin cream . Do not inhale dust particles, during processing glass or glass dust particles are set free and cause irritation to the respiratory passage. Wash hands before breaks and at the end of workday.
Respiratory protection	Wear dust mask when handling large quantities.
Eye protection	safety glasses with side-shields.
Skin protection	Avoid contact with skin
Hand protection	Chemicals resistant gloves
Suitable material	Butyl-rubber
Type	Butoject (Company KCL) or comparable article; or refer to glove manufacturer's recommendation
Evaluation	according to EN 374: level 6
Material thickness	approx. 0,3 mm
Break through time	480 min

9. Physical and chemical properties

Appearance

Form pellets
Odor slight , specific

Flash point Not applicable
Ignition temperature 320°C
Method ASTM D 1929
Bulk density 770 - 890 kg/m³ @20 °C
Vapor pressure not determined
Water solubility insoluble

10. Stability and reactivity

Chemical stability

Stable under normal conditions

Conditions to avoid

Flame. Avoid temperatures above 238 °C / 460 °F.

Incompatible Materials

Polyvinyl chloride, strong acids, oxidizing agents

Hazardous Combustion or Decomposition Products:

Trioxane formaldehyde paraformaldehyde formic acid

Product name Celcon®
MSDS number 870610001
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.06.2014

AGHS/EN

11. Toxicological information

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

12. Ecological Information

Ecotoxicological data are not available. Do not discharge product unmonitored into the environment.

13. Disposal considerations

Product information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

14. Transport information

US Department of Transportation Not regulated

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory information

INTERNATIONAL REGULATIONS

This mixture is not classified as dangerous according to Japanese legislation

This preparation is not classified as dangerous according to Chinese legislation

16. Other information

SAFETY DATA SHEET



Product name Celcon®
MSDS number 870610001
Revision Number 1.01

Revision Date Oct.01.2013
Issuing date Mar.06.2014

AGHS/EN

16. Other information

HMIS: Health: 1

Flammability: 1

Physical Hazard: 0

Product name Celcon®
 MSDS number 870610001
 Revision Number 1.01

AGHS/EN

Revision Date Oct.01.2013
 Issuing date Mar.06.2014

16. Other information

Color code(s)

14, CA2062K20, CA3059, CA3059K20, CA32026, CA32031, CA3208, CA3208K20, CA32940, CA33378, CA33589, CA33595K20, CA33595SP20, CA33600K20, CA33776, CA33790K20, CA34069, CA34081K20, CA34139, CA34171K20, CA34172K20, CA34209K20, CA34209SP20, CA34212K20, CA34266, CA34319, CA34320, CA34331K20, CA34359, CA34378K20, CA34506, CA34567, CA34896, CA34994, CA35109, CA43645, CA44051, CA7208K20, CB32506, CB32979, CB33611, CB33664, CB33833, CB33907, CB33997, CB34075K20, CB34174, CB34237, CB34238, CB34254SP20, CB34270, CB34337, CB34360, CB34361, CB34431, CB34498, CB34524, CB34547, CB34556, CB34566, CB34627, CB34686, CB34697, CB34703, CB34706, CB34999, CB35030, CB35052, CB35075, CB35094, CB35156, CB35191, CB9148B, CB9314N, CB9521Q, CB5110K20, CC21976K20, CC3063, CC3063SP20, CC3072, CC3072SP20, CC32509, CC32598K20, CC32846, CC32917, CC33037, CC33144, CC33293, CC33382, CC33383, CC33507, CC33590, CC33622, CC33657, CC33663, CC33691, CC33703, CC33715, CC33725, CC33736, CC33740, CC33755, CC33783, CC33785, CC33804, CC33805, CC33806, CC33809, CC33810SP20, CC33832, CC33841, CC33856, CC33858, CC33863, CC33866, CC33893, CC33911, CC33928, CC33955, CC33963, CC33974K20, CC33987, CC33993, CC33995, CC34020, CC34021, CC34024, CC34029, CC34031, CC34042, CC34092, CC34130, CC34167, CC34177, CC34178, CC34193, CC34200, CC34206SP50, CC34210, CC34211, CC34215, CC34234, CC34241, CC34244, CC34246, CC34267, CC34268, CC34271, CC34280, CC34290K20, CC34291, CC34300, CC34318, CC34332, CC34333, CC34335, CC34335K20, CC34350, CC34351, CC34362, CC34365, CC34366, CC34372, CC34375, CC34380, CC34381, CC34382, CC34394, CC34402, CC34408, CC34409, CC34414, CC34437, CC34452, CC34454, CC34462, CC34463, CC34466, CC34468, CC34471, CC34473, CC34481, CC34493, CC34499, CC34501, CC34502, CC34503, CC34515, CC34522, CC34527, CC34531, CC34532, CC34533, CC34536, CC34549, CC34557, CC34558, CC34562, CC34579, CC34580, CC34595, CC34598, CC34602, CC34604, CC34605, CC34612, CC34625, CC34628, CC34629, CC34631, CC34634, CC34648, CC34652, CC34653, CC34658K25, CC34670, CC34687, CC34693, CC34694, CC34698, CC34699, CC34708, CC34709, CC34713, CC34714, CC34718, CC34720, CC34722, CC34725K20, CC34745, CC34764, CC34767, CC34770, CC34771, CC34778, CC34798, CC34811, CC34829, CC34840, CC34843, CC34849, CC34865, CC34866, CC34873, CC34877, CC34918, CC34921, CC34948, CC35027, CC35038, CC35039, CC35040, CC35059, CC35061, CC35066, CC35068, CC35069, CC35071, CC35078, CC35100, CC35243, CC4029, CC44272, CC44477, CC44674, CC44884, CC5220, CC5302A, CC7063K20, CC7072K40, CC7220K20, CC5220K20, CC8008A, CC9104D, CC9149B, CC9184D, CC9202A, CC9203A, CC9310N, CC9311N, CC9312N, CC9313N, CC96259, CC9642H, CC97701, CC9780A, CC9781A, CC9792S, CC98247, CC9834T, CC9845T, CC9902A, CC99653, CC99654, CC99780, CC99781, CC99883, CC99902, CC9999K, CD3068, CD3068K20, CD3068K40, CD3068NS, CD3068SP10, CD3068SP20, CD32228SP33, CD32296, CD32403, CD32537, CD32620, CD32925, CD33014, CD33335, CD33387, CD33668, CD33746, CD33763, CD33867, CD33889, CD33927, CD33962, CD34028, CD34080, CD34124, CD34176, CD34202, CD34217, CD34264, CD34269, CD34283, CD34286, CD34306, CD34334, CD34358, CD34383, CD34405, CD34428, CD34435, CD34438, CD34446, CD34457, CD34467, CD34472, CD34491, CD34534, CD34539, CD34545, CD34554, CD34611, CD34618, CD34679, CD34684, CD34726, CD34756, CD34779, CD34794, CD3501, CD35029, CD35056, CD35057, CD35072, CD35095, CD35135, CD7068, CD90848, CD9167A, CE33268K20, CE33283, CE33391, CE34384, CE34384K20, CE34384SP20, CE34727K20, CE5430K20, CE7430, CE7430K20, CE7430K40, CE8023AK20, CF2001, CF2001SP10, CF2888, CF3001, CF3500, CG31391K20, CG32013K20, CG32211, CG33107, CG33114K20, CG33147, CG33198, CG33509, CG33517, CG33568, CG33737, CG33836, CG33921K40, CG33956, CG34002, CG34095, CG34096, CG34122, CG34345, CG34345K20, CG34345SP20, CG34429, CG34444, CG34485, CG34490, CG34492, CG34542, CG34614, CG34626K25, CG34649K20, CG34689, CG34696, CG34752, CG34783, CG35125, CG35131, CG3671, CG3671K20, CG3690, CG3690K20, CG5325K20, CG7671, CG7671K20, CG7690, CG7690K20, CG9104E, CG9118A, CG9156A, CG9173B, CG9400G, CH33944K40, CH34208K20, CH34731K20, CJ3075, CJ3075K20, CJ3105, CJ3105K20, CJ3105SP20, CJ33262K20, CJ33269, CJ33754, CJ33826, CJ33952, CJ33959K40, CJ34045, CJ34308, CJ34314, CJ34329, CJ34344K20, CJ34344SP20, CJ34418, CJ34478, CJ34528, CJ34599, CJ34905K20, CJ34923, CJ34967, CJ44111K40, CJ7105K20, CK34231, CL2575, CL3073, CL33402, CL33803, CL33803K20, CL34018, CL34068, CL34074K20, CL34091, CL34120, CL34295K20, CL34568, CL34729K20, CL34892, CL34904K20, CL43504, CL44281, CL5860, CL5860K20, CL7860, CL7860K20, CN32758, CN32758K20, CN33109, CN33827, CN34356SP20, CN34447, CN34451K20, CN34711, CN3540, CN3540K20, CN44710, CN7540, CN7540K20, CN7540K40, CP5645K20, CR33345, CR34589, CR34589K20, CR5650K20, CS3067, CS3067K20, CS32212K20, CS32864, CS33081, CS33273, CS33448, CS33870, CS34084, CS34121, CS34488, CS34504, CS34505, CS34662, CS34668, CS34721, CS34721K20,

Product name Celcon®
MSDS number 870610001
Revision Number 1.01

AGHS/EN

Revision Date Oct.01.2013
Issuing date Mar.06.2014

16. Other information

CS34734K20, CS35080K20, CS35165, CS7067K20, CS9217M, CS9422P, CS94592, CS99104, CS9936A, CS99933, CT32845, CT33701, CT33897, CT33916, CT34368, CT34385, CT34385K20, CT34385SP20, CT34673, CT3755K20, CV33070, CV33119K20, CV33121, CV33398, CV33624, CV33696, CV33711, CV33733, CV33770, CV33822, CV33824, CV33853, CV33869, CV33892, CV33894, CV33981, CV33998, CV33999, CV34000, CV34004, CV34064, CV34078, CV34079, CV34099, CV34102K40, CV34119SP20, CV34140, CV34160, CV34163, CV34173, CV34195, CV34205, CV34218, CV34219, CV34242, CV34285, CV34302, CV34309, CV34310, CV34311, CV34341, CV34354, CV34373, CV34393, CV34400, CV34415, CV34423, CV34423SP20, CV34426, CV34434, CV34436, CV34450, CV34453, CV34465, CV34470, CV34495, CV34518, CV34521, CV34538, CV34548, CV34559, CV34563, CV34578, CV34588, CV34594, CV34607, CV34641, CV34644, CV34654, CV34677, CV34692, CV34700, CV34717K20, CV34755, CV34769, CV34772, CV34773, CV34776, CV34864, CV34887, CV34941, CV34947, CV34985K20, CV35000, CV35028, CV35041, CV35043, CV35055, CV35070, CV35087, CV35101, CV35148, CV9101E, CV9102E, CV9211B, CV9641H, CV9776A, CV9777A, CV9830K, CV9831K, CV99098, CV9923T, CY31118, CY3136, CY3136K20, CY32507, CY33185, CY33366, CY33542, CY33592, CY33606, CY33612, CY33666, CY33667, CY33697, CY33828, CY33910, CY33917, CY33932, CY33954, CY34040, CY34043, CY34058, CY34100, CY34164, CY34196, CY34201, CY34258, CY34321, CY34322, CY34363, CY34519, CY34523, CY34529, CY34530, CY34564, CY34565, CY34581, CY34591, CY34624, CY34657, CY34681, CY34716, CY34815, CY34886, CY34897, CY34965, CY35001, CY35002, CY35010, CY35042, CY35045, CY35130, CY35157, CY35161, CY9137A, CY9195A, CY9210V, CY9330N, CY9404G, CY9413P, CY9514Q, CY9648A, CY9832K, CY9844T, CY9935L, CY99648, NATURAL

Prepared By

Product Stewardship Department
Celanese

Other Information:

Observe national and local legal requirements. Except as otherwise noted, all of the trademarks referenced herein are owned by Ticona or its affiliates. .

Changes against the previous version are marked by ***

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available.

Further information

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality