

SAFETY DATA SHEET

According to: Regulation 453/2010 / EC of 20 May 2010 amending Regulation 1907/2006 / EC (REACH) as amended

CLEAR COAT CP 2016 2K VHS 4:1

Issue date: 2016-08-01

Revision date:

Version: 6.3

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SECTION 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- | | |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1.1 Product identifier: | CLEAR COAT CP 2016 2K VHS 4:1 |
| | Contains: 2-Heptanone, Butyl acetate |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against: | Two component high solid clear coat with low VOC content for car bodies.
No data. |
| 1.3 Details of the supplier of the safety data sheet: | Multichem Sp. z o.o., ul. Przemysłowa 2, 62-032 Luboń,
tel. +48 61 893 37 31, fax +48 61 893 37 32, e-mail: info@multichem.pl |
| 1.4 Emergency telephone number: | tel. +48 61 893 37 31 |
| 1.5 Person responsible for SDS: | info@multichem.pl |

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product was classified as dangerous according to Regulation 1272/2008/EC

Classification:

Flam. Liq. 3 H226
Acute Tox. 4 H302
Acute Tox. 4 H332
STOT SE 3 H336

2.2 Label elements

Hazard pictograms:

According to Regulation 1272/2008/EC



Signal word :WARNING

Hazard statements:

H226 Flammable liquid and vapour
H302+H332 Harmful if swallowed or inhaled.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing..
P501 Dispose of contents/container to an authorized waste collection point.

VOC: 2004/42/WE IIB(d) (420) 420

2.3 Other hazards – no available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances – no applicable

3.2 Mixtures

Index number	Chemical Name	WE Number	CAS Number	Classification of substance according to CLP	Mark of substance	Weight	Registration Number
607-025-00-1	Butyl acetate	204-658-1	123-86-4	Flam. Liq. 3 H226 STOT SE 3 H336	GHS02 GHS07 Wng H226, H336, EUH066	25 – 35%	01- 2119485493- 29-XXXX

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606-024-00-3	2-Heptanone	203-767-1	110-43-0	Flam. Liq. 3 H226 Acute Tox. 4 * H332 Acute Tox. 4 * H302	GHS02 GHS07 Wng H226 H332, H302	5 – 15%	01- 2119902391- 49-XXXX
-	Ethyl 3-ethoxypropionate	212-112-9	763-69-9	Flam. Lig. 3 H226	GHS02 Wng H226 EUH066	0 – 2%	01- 2119463267- 34-XXXX

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:

See 11 point SDS

Inhalation:

Move to fresh air, ensure quiet and warmth, seek medical advice.

Eyes contact:

Do not close the eye, rinse with plenty of water (protect) healthy eye, remove contact lenses, seek medical advice.

Skin contact:

Immediately remove all contaminated clothing, wash with plenty of water with soap, seek medical advice.

Ingestion:

Wash out mouth thoroughly with water. Do not induce the vomiting.

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

Seek medical advice.

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

Seek medical advice.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Water, vaporised water, foam, CO₂.

Unsuitable extinguishing media:

Tight stream of water.

5.2 Special hazards arising from the substance or mixture:

Under the influence of high temperature may produce CO, CO₂ vapours.

5.3 Advice for firefighters:

Firemen have to wear self-contained breathing apparatus and protective clothing. Cool adjacent tanks by spraying water from a safe distance.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Remove ignition sources. Provide for sufficient ventilation. Avoid direct contact with releasing substance (vapours). Avoid contact with eyes and skin. Get acquainted with safety conditions (see point 7 and 8 SDS).

For emergency responders:

6.2 Environmental precautions:

Keep away from drains, surface-water, ground-water and soil.

6.3 Methods and material for containment cleaning up:

Poured substance should be absorbed with non-flammable materials : sand, silica, special granulated products. Keep to a minimum efflux area. Collect discards, store according to regulations (see point 13 SDS).

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Keep away from heat; keep away from sources of ignition – do not smoke, do not eat, do not drink, do not breathe vapour, avoid contact with skin and eyes. Do not empty under pressure. Use only original tanks.

7.2 Conditions for storage, including any incompatibilities:

Normal precautions taken when handling flammable substances. Store in hermetically closed containers In temp. 5-25°C. Place of storage should be dry. Protect from heat. Do not store near to sources of ignition.

7.3 Specific end use(s):

A component of a unary base lacquer for car bodies.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Limit values for 2-Heptanone:

TLV: 50 ppm as TWA (ACGIH 2004).

UE Limits Values: 50 ppm 238 mg/m³(8 hours)

100 ppm 475 mg/m³ (short-term) skin

Limit values for Butyl acetate:

TLV: 150 ppm as TWA 200 ppm as STEL (ACGIH 2003).

MAK: 100 ppm 480 mg/m³

8.2 Exposure controls

Respiratory protection:

Gas mask with "A" type absorbing canister.

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Hands protection:

Eyes protection:

Skin protection:

Workplace:

Protective gloves for handling solvents (nitrile rubber).

Protective glasses.

Suitable protective clothing.

Topical stays and exhausting ventilation.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

liquid

Colour:

colourless

Odour:

typical mixture of solvents

pH:

no data

Boiling point:

> 124°C

Melting point:

no data

Flash point:

> 0°C

Autoignition point:

no data

Vapour pressure:

no data

Explosion limits:

no data

Density:

0,998 g/cm³

Water solubility:

very poor

Octanol/Water partition coeff:

no data

Viscosity:

20±2" Ford Cup DIN 4

9.2 Other information

VOC

420 g/l

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

No data

10.2 Stability:

If handled according to the section 7 product is stable.

10.3 Possibility of hazardous reactions:

No data

10.4 Avoid contact with:

Strong acids and basis, high temperature, fire.

10.5 Materials to be avoided:

No data

10.6 Hazardous decomposition products:

Incomplete combustion will produce CO, CO₂ and toxic gases.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

There are no data on the toxicity of this product.

Toxicity for Butyl acetate:

LD₅₀ (rat, oral) – 6400 mg/kg

LC₅₀ (rat, inhalation) – 9,6 mg/l (4h)

LD₅₀ (rabbit, skin) – >5000 mg/kg

Irritating effect:

Skin: irritating and dryness

Eyes: irritating

Symptoms of poisoning:

Headaches, discomfort, tiredness, sleepiness, vomiting or may narcotise, muscle failure, partial or total loss of consciousness.

SECTION 12. ECOLOGICAL INFORMATION

There are no data on the ecotoxicity of this product.

12.1 Toxicity:

Butyl acetate acute toxicity for:

(LC₅₀/96 h) fish – 18 mg/l

(EC₅₀/48h) crustacea – 32 mg/l

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT assessment:

No data available

12.6 Other adverse effects:

No data available

The product is very poorly soluble in water. Do not allow to enter the sewage system, soil, or water reservoirs – inform the local authorities.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods



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Recommendation:

Remains of product:

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Product must be disposed of by special means in accordance with local regulations. Remains of product in the tin should be carefully removed and hardened using suitable hardener CP 3016 VHS 4:1. Harden product is not harmful substance and could be treated like wastes in accordance with regulation.

Code of waste: 08 01 11*

Do not spill into drainage systems. Waste of this product must be burned in special installations for this purpose or disposed for authorized waste receiver.

Clean tin:

Tin carefully cleaned is not harmful waste.

Code of waste : 15 01 04

Spent packages disposed for authorized receiver who has adequate permission for waste management.

Tin partly empty:

See remains of products. Packs of an article containing residues of hazardous substances or contaminated by a hazardous waste code 15 01 10*

SECTION 14. TRANSPORT INFORMATION

- 14.1 UN number: 1263
14.2 UN proper shipping name: PAINT RELATED MATERIAL
14.3 Transport hazard class(es): 3
14.4 Packaging group: II
14.5 Environmental hazards: No applicable
14.6 Special precautions for user: Land transport: ADR/RID:
Classification code: F1
Tunnels: D1E
Sea transport IMDG: EmS: F-E, S-E
No applicable
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No applicable

SECTION 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture
67/548/EWG (2006/121/WE)
91/155/EWG (2001/58/WE)
1999/45/EC (2006/8/WE)
1991/322/EWG
2000/39/WE
2006/15/WE
2006/1907/WE (REACH)
2004/42/WE
2008/1272/WE (CLP)
Other regulations: ADR (2007-2009), IMDG Code 2006 Edition.
- 15.2 Chemical safety assessment – no chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

- Full text of phrases from 3 point SDS according to CLP
H226 Flammable liquid and vapour
H302 Harmful if swallowed
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness
EUH066 Repeated exposure may cause skin dryness or cracking
Flam. Liq. 3 Flammable liquid category 3
STOT SE 3 Specific target organ toxicity – single exposure category 3
Acute Tox. 4* Acute toxicity category 4

The data contained in this Safety Data Sheet are based on our available knowledge at the last revision date. The data contained in this Safety Data Sheet give the conditions of safe use and storage of the product; this document does not give any guarantee as to the properties of the product.

Revision information:

Sections -

All persons whose work is related to the mixture should receive a proper training in safety, hygiene and legal requirements related to a mixture in compliance with their responsibilities.