

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

1.1. Product Identifier

Trade name: APP Klarlack FD Spray Trade code: 020120

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

Two-component lacquer.

Uses advised against: none

1.3. Details of the supplier of the safety data sheet

Company: APP Sp. z o. o.
ul. Przemysłowa 10, 62 – 300 Września
Tel. +48 (061) 437 00 00
Fax. +48 (061) 437 91 37
Mail: app@app.com.pl
Strona WEB: www.app.com.pl

Safety Data Sheet e-mail: dzp@app.com.pl

1.4. Emergency telephone number:

+48 (61) 437 00 00

Date of issue: 2022-11-22

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02



GHS07

Dgr

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

H412 Harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008

Contains:

Hexamethylene diisocyanate, homopolymer

Acetone

Butyl acetate

C9 hydrocarbons, aromatic

Isophorone diisocyanate - homopolymer

a mixture of: alpha-3-[3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl]-propionyl-w-hydroxypoly(oxyethylene) and alpha-3-[3-(2H-benzotriazol-2-yl) -yl)-5-tert-butyl-4-hydroxyphenyl]-propionyl-in-3-[3(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl]propionylloxypoly(oxyethylene)

Reaction product of pentamethylpiperidyl sebacate

Signal word:

Danger

Pictogram:



GHS02



GHS07

Hazard statement(s)

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness
- H412 Harmful to aquatic life with long lasting effects
- EUH204 Contains isocyanates. May produce an allergic reaction.
- EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statement(s)

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P410+ P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P302+ P352 IF ON SKIN: Wash with plenty of water.
- P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor/ if you feel unwell.
- P333+ P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of contents/container to an authorised waste collection point.

2.3 Other hazards

Explosive mixtures may form in case of insufficient ventilation.

Does not fulfil criteria of PBT and vPvB according to annex XIII 1907/2006

UN: 1950

VOC (2004/42/EC, IIe: 840) <840 g/l

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS


3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

Name	Conc.	CAS No	Index No	EC No	Classification:
Dimethyl ether REACH: 01-2119472128-37	25-<50%	115-10-6	603-019-00-8	204-065-8	GHS02; GHS04 FlamGas1: H220 PressGas: H280
Acetone .REACH: 01-2119471330-49	10-<25%	67-64-1	606-001-00-8	200-662-2	GHS02; GHS07 Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336 EUH066
Butyl acetate REACH:01-2119485493-29	10-<25%	123-86-4	607-025-00-1	204-658-1	GHS02; GHS04 Flam.Liq.3: H226 STOT SE3: H336 EUH066
Reaction mass of ethylbenzene and xylene REACH: 01-2119488216-32	5-<10%	-	-	905-588-0	GHS02; GHS07 FlamLiq3: H226 AcuteTox4: H312 AcuteTox4: H332 SkinIrrit2: H315 EyeIrrit2: H319

		SAFETY DATA SHEET According Commission Regulation (EU) 2020/878				
		Date of issue: 2023-11-23	APP Klarlack FD Spray			Page 3 z 7
						STOT SE3: H335 STOTRE3: H373 AspTox1: H304
Hexamethylene diisocyanate, homopolymer REACH: 01-2119485796-17	5-<10 %	28182-81-2	-	500-060-2		GHS07 AcuteTox4: H312+H332 SkinSens.1: H317 STOTSE3: H335\
5-methylhexan-2-one REACH: 01-2119472300-51	1-<2,5%	110-12-3	606-026-00-4	203-737-8		GHS02; GHS07 FlamLiq3: H226 AcuteTox4: H332 Repr2: H361d
Isophorone diisocyanate - homopolymer REACH: 01-2119455851-35	<2,5%	-	-	918-668-5		GHS08 Flam. Liq. 3, H226 Asp. Tox. 1: H304 AquaticChronic 2: H411 STOT SE 3; H335+H336
1-methoxy-2-propyl acetate REACH: 01-2119475791-29	<2,5%	108-65-6	607-195-00-7	203-603-9		GHS02; GHS07 FlamLiq.3: H226 Eye Irrit.2: H319
C9 hydrocarbons, aromatic REACH: 01-2119488734-24-xxxx	<1 %	53880-05-0	-	-		GHS07 SkinSens.1: H317 STOTSE3: H335
a mixture of: alpha-3-[3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl]-propionyl- in - hydroxypoly(oxyethylene) and alpha-3-[3-(2H-benzotriazol-2-yl) -yl)-5-tert-butyl-4-hydroxyphenyl]-propionyl-in-3-[3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl]propionyloxypoly(oxyethylene) REACH: 01-0000015075-76	<0,25%	-	-	400-830-7		GHS07; GHS09 SkinSens1: H317 AquaticChronic2: H411
Pentane-2,4-dione REACH: 01-2119458968-15	<1%	123-54-6	606-029-00-0	204-634-0		GHS02; GHS07 FlamLiq3: H226 AcuteTox3: H311+H331 AcuteTox4: H302
Reaction product of pentamethylpiperidyl sebacate REACH: 01-2119491304-40	<0,25%	1065336-91-5	-	915-687-0		GHS07; GHS09 SkinSens1: H317 AquaticAcute1: H400 AquaticChronic1: H410 Repr2: H361f

Full text of R-Phrases and H-Phrases can be found under heading 16

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. . In case of irritation, consult a doctor

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time. In case of irritation, consult an ophthalmologist. Remove Contact Lenses

In case of Ingestion:

Do not under any circumstances induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately and show him label or Safety Data Sheet.

In case of Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of respiration problems , consult a doctor immediately and show him label or Safety Data Sheet.



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

May cause an allergic skin reaction. May cause drowsiness or dizziness. Contains isocyanates. May produce an allergic reaction.

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

In case if ingestion consult a doctor.

Treatment:

None

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurised container: May burst if heated. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Toxic fumes may be evolved on burning or exposure to heat. Do not inhale explosion and combustion gases.

5.3. Advice for fire-fighters

Fires in confined spaces should be dealt with by trained personnel wearing approved air supplied breathing apparatus. Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

Contain and recover liquid using sand or other suitable inert absorbent material. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated. Recovery of large spillages should be effected by specialist personnel. Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. Large and uncontained spillages should be smothered in foam to reduce the risk of ignition. The foam blanket should be maintained until the area is declared safe. Vapour is heavier than air and may travel to remote sources of ignition (e.g. along drainage systems, in basements, etc.). In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. In case of spillage at sea, approved dispersants may be used where authorized by the appropriate regulatory authority. In the event of spillages, contact the appropriate authorities.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. Air-dry contaminated clothing in a well-ventilated area before laundering. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use local exhaust ventilation if there is risk of inhalation of vapours. Prevent spillages. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

7.2. Conditions for safe storage, including any incompatibilities

Store and dispense only in well ventilated areas away from heat and sources of ignition. Store and use only in



equipment/containers designed for use with the product. Containers must be properly labelled and kept closed when not in use. Do not remove warning labels from containers. Do not re-use container for any other product. Empty packages may retain residual product; retain hazard warning labels on empty packages as a guide to their safe handling, storage and disposal. Do not introduce an ignition source. Heating may cause an explosion. Storage on solid, hydrocarbons-proof floor.

7.3. Specific end use(s)

None.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data.

8.2. Exposure controls

Do not eat, drink or smoke while working. Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Eye protection:

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

Protection for skin/hands:

If skin contact is likely, wear impervious protective clothing and/or gloves (nitrile : ≥ 0.45 mm, 240 min.). Protective clothing should be regularly inspected and maintained. Change heavily contaminated clothing as soon as reasonably practicable and launder before re-use. Wash any contaminated underlying skin with soap and water.

Respiratory protection:

Respiratory protection is normally unnecessary, provided the concentration of vapour is adequately controlled. If operations are such that the excessive generation and inhalation of vapour may be anticipated, then suitable approved organic vapour and particulate respiratory equipment should be worn

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance and colour: liquid, aerosol, color according to the label

Odour: characteristic

Odour threshold: N.D.

pH: N.A.

Melting point / freezing point: N.D.

Initial boiling point and boiling range: -24°C

Upper/lower flammability or explosive limits: 2.6-18.6 %

Vapour density: N.D.

Flash point: 0°C

Evaporation rate: N.A.

Vapour pressure: 5200 hPa

Density: 865 kg/m^3 (20°C)

Solubility in water: insoluble

Solubility in organic solvents: soluble in aromatic solvents

Lipid solubility: N.A.

Partition coefficient (n-octanol/water): N.A.

Ignition temperature: 235°C

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity dyn.: N.D.

Viscosity kin.: N.D.

Explosive properties: can form an explosive mixture in air

Oxidizing properties: not oxidizing

9.2. Other information

VOC: $<840\text{g/l}$

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Mixture is not reactive.

10.2. Chemical stability

Stable under normal conditions of handling and storage.



10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

- solar radiation
- sparks
- flame
- heat

10.5. Incompatible materials

- strong oxidisers
- strong acids

10.6. Hazardous decomposition products

None.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

a) acute toxicity: no hazard

b) skin corrosion/irritation: no hazard

c) serious eye damage/irritation: Causes serious eye irritation

d) respiratory or skin sensitization: May cause an allergic skin reaction. Contains isocyanates. May produce an allergic reaction.

e) germ cell mutagenicity: no hazard

f) carcinogenicity: no hazard

g) reproductive toxicity: no hazard

h) STOT-single exposure: may cause drowsiness or dizziness.

i) STOT-repeated exposure: no hazard

j) aspiration hazard: no hazard

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

- no data

11.2.2. Other information

- no data

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic life with long lasting effects

12.2. Persistence and degradability

Expected to be biodegradable.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No data

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

None

12.7. Other adverse effects

None

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations or if approved allowed to degrade in situ. Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil. Empty packages may contain some remaining product. Hazard warning labels are a guide to the safe handling of empty packages and should not be removed.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

1950

14.2. UN proper shipping name

Aerosols, flammable

14.3. Transport hazard class(es)

2



SAFETY DATA SHEET
According Commission Regulation (EU) 2020/878

Date of issue: 2023-11-23

APP Klarlack FD Spray

Page 7 z 7

14.4. Packing Group

No

14.5. Environmental hazards

No

14.6. Special Precautions for User

During handling wear personal protection equipment (see Section 8)

Avoid heat and flame.

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

N.A.

Label: 2.1

SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

- Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical Safety Assessment

No

SECTION 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.