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# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.01.2020 Version number 50 Revision: 27.01.2020

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

• Trade name tesa Adhesion Promoter Fast Cure 60153

· **UFI:** DRPC-K0YD-100R-MJX2

· 1.2 Relevant identified uses of the substance or mixture and uses

advised against

Application of the substance / the

mixture

No further relevant information available.

Coating material Priming

Intermediate

· 1.3 Manufacturer/Supplier: tesa SE

Hugo-Kirchberg-Strasse 1 D-22848 Norderstedt Tel.: +49-40-88899-101

Germany

· Informing department: tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm

Dirk.Lamm@tesa.com, Tel.: +49-40-88899-2977

· 1.4 Emergency telephone number:

tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt

Security Center Phone +49-40-88899-0 or +49-40-88899-9111

UNITED KINGDOM:

The UK National Poisons Emergency number is 0870 600 6266

London:

Emergency 24 hour telephone: +44 (0)20 7188 0100

Guy's & St Thomas' Poisons Unit Medical Toxicology Information Services

Mary Sheridan House, Guy's Hospital, Great Maze Pond, London SE1 9RT

## **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



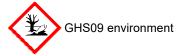
GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

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Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness.

· 2.2 Label elements

· Labelling according to Regulation

(EC) No 1272/2008 · Hazard pictograms The product is classified and labelled according to the CLP regulation.









GHS02

GHS08

GHS07

· Signal word Danger

· Hazard-determining components of

labelling:

cyclohexane

Naphtha (petroleum), hydrotreated light (Note P)

ethylbenzene

H225 Highly flammable liquid and vapour. · Hazard statements

H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects. · Precautionary statements P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment (see on this label). P321

P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/

national/international regulations.

· Additional information: Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average

molecular weight = 700). May produce an allergic reaction.

· 2.3 Other hazards The preparation contains no elualable organic halogene compounds, which increases

the AOX values

· Results of PBT and vPvB assessment

· PBT: Not classified · vPvB: Not classified

## **SECTION 3: Composition/information on ingredients**

· 3.2 Chemical characterisation: Mixtures

· Description: Solvent mixture with additives.

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•	Chara	cteris	ation	equipn	nent,

container: None

Container.	Notie	
· Dangerous components:		
CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41-XXXX	cyclohexane  Flam. Liq. 2, H225  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; STOT SE 3, H336	<50%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene, mixed isomers, pure  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	<25%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-XXXX	acetone ♦ Flam. Liq. 2, H225 ♦ Eye Irrit. 2, H319; STOT SE 3, H336	<25%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX		<10%
CAS: 64742-49-0 Reg.nr.: 01-2119486291-36-XXXX	Naphtha (petroleum), hydrotreated light (Note P)  Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	<10%
CAS: 123-54-6 EINECS: 204-634-0 Reg.nr.: 01-2119458968-15-XXXX	pentane-2,4-dione  Flam. Liq. 3, H226  Acute Tox. 4, H302	<10%
CAS: 546-68-9 EINECS: 208-909-6	tetraisopropoxytitanium ♦ Eye Irrit. 2, H319	<10%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	<2.5%
CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26-xxxx	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<1%

·SVHC

Free of any SVHC substances or < 0.1 %

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

detergents / Labelling for contents not applicable

**Additional information** For the wording of the listed hazard phrases refer to section 16.

## **SECTION 4: First aid measures**

· 4.1 Description of first aid measures

• **General information** Instantly remove any clothing soiled by the product.

• After inhalation In case of unconsciousness bring patient into stable side position for transport.

• After skin contact Instantly wash with water and soap and rinse thoroughly.

• After eye contact Rinse opened eye for several minutes under running water. If symptoms persist,

consult doctor.

· After swallowing

In case of persistent symptoms consult physician.

· 4.2 Most important symptoms and

effects, both acute and delayed May cause drowsiness.

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 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **SECTION 5: Firefighting measures**

· 5.1 Extinguishing media

• Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-

resistant foam.

· For safety reasons unsuitable

extinguishing agents
5.2 Special hazards arising from the

Water with a full water jet.

Can be released in case of fire: Nitrogen oxides (NOx)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· 5.3 Advice for firefighters

substance or mixture

• **Protective equipment:** Put on breathing apparatus.

Do not inhale explosion gases or combustion gases.

### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective

equipment and emergency procedures

· 6.2 Environmental precautions:

Wear protective equipment. Keep unprotected persons away.



Prevent product from reaching sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars.

Inform resposible authorities in case of spilling into water or sewage

system.

 6.3 Methods and material for containment and cleaning up:

Apply absorbing material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

**6.4 Reference to other sections** See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

 Information about protection against explosions and fires:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Handle only outside or in explosion protected rooms. Fumes can combine with air to form an explosive mixture.

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· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

Requirements to be met by

storerooms and containers: Store in

· Information about storage in one

Store in cool location.

common storage facility: void void

· Further information about storage

conditions:

Store container in a well ventilated position.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Store only outside or in explosion proof rooms.

Storing flammable liquids the Nationonal regulations have to be fulfilled!

• Storage class 3 (flammable liquids)

• 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· Additional information about design

of technical systems: No further data; see item 7.

· 8.1 Control parameters

· Components with	critical values	s that require	e monitoring a	it the workplace:

110-82-7 cyclohexane

WEL Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm

1330-20-7 xylene, mixed isomers, pure

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm

67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm

141-78-6 ethyl acetate

WEL Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm

· Ingredients with biological limit values:

### 1330-20-7 xylene, mixed isomers, pure

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift
Parameter: methyl hippuric acid

Additional information: The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

Personal protective equipment

· General protective and hygienic

measures

The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food.

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Instantly remove any contaminated garments.

Wash hands before breaks and at the end of the work.

Avoid contact with the eyes and skin.

Breathing equipment: No special security measures need to be taken when processing very small quantities

Use breathing filter A2

Not necessary if room is well-ventilated.

In case of short term exposure use respiratory protection. In case of intensive or longer exposure use respiratory protection equipment independent from ambient air.

· Protection of hands:



Solvent resistant gloves

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the

substance/ the preparation.

Selection of the glove material on consideration of the penetration times,

rates of diffusion and the degradation

Material of gloves Butyl rubber, BR

use solvent stable gloves.

Penetration time of glove material Butyl rubber (thickness min. 0.3 mm) max. 15 minutes

The exact break trough time has to be found out by the manufacturer of the protective

gloves and has to be observed.

 As protection from splashes gloves made of the following materials are suitable:

Suitable.

Fluorocarbon rubber (Viton)

Not suitable are gloves made of the

following materials:

Nitrile rubber, NBR Natural rubber, NR Neoprene gloves

• Eye protection: Safety glasses recommended during refilling.



Safety glasses

· Body protection: Protective work clothing.

## **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid

Colour: specific to the product Product specific Odour threshold: Not determined.

· **pH-value:** Not determined.

· Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 81 °C

· Flash point: -18 °C

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· Inflammability (solid, gaseous)	Not applicable.
· Ignition temperature:	245 °C
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion: Lower: Upper:	1.1 Vol % 13 Vol %
· Steam pressure at 20 °C:	247 hPa
<ul> <li>Density</li> <li>Relative density</li> <li>Vapour density</li> <li>Evaporation rate</li> </ul>	Not determined Not determined. Not determined. Not determined.
· Solubility in / Miscibility with Water:	Partly miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: dynamic: kinematic:	Not determined. Not determined.
· Solvent content: Organic solvents:	77.6 %
Solids content: 9.2 Other information	19.3 % No further relevant information available.

## SECTION 10: Stability and reactivity

• 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

Thermal decomposition / conditions

to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

reactions

No dangerous reactions known

• 10.4 Conditions to avoid
• 10.5 Incompatible materials:

No further relevant information available.

No further relevant information available.

10.6 Hazardous decomposition

products: No dangerous decomposition products known

## **SECTION 11: Toxicological information**

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50	LD/LC50 values that are relevant for classification:			
ATE (Acu	ATE (Acute Toxicity Estimates)			
Oral	LD50	12,500 mg/kg		
Dermal	LD50	6,048 mg/kg		

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110-82-7	110-82-7 cyclohexane		
Oral	LD50	12,705 mg/kg (rat)	
1330-20-7	1330-20-7 xylene, mixed isomers, pure		
Oral	LD50	8,700 mg/kg (rat)	
Dermal	LD50	2,000 mg/kg (rbt)	
Inhalative	LC50/ 4 h	6,350 mg/l (rat)	

Primary irritant effect:

· Skin corrosion/irritation Causes skin irritation. Serious eye damage/irritation Causes serious eye irritation.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met. · Carcinogenicity Based on available data, the classification criteria are not met. · Reproductive toxicity Based on available data, the classification criteria are not met. May cause drowsiness or dizziness.

· STOT-single exposure

· STOT-repeated exposure Based on available data, the classification criteria are not met.

· Aspiration hazard May be fatal if swallowed and enters airways.

### **SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available. 12.2 Persistence and degradability No further relevant information available. · 12.3 Bioaccumulative potential No further relevant information available. · 12.4 Mobility in soil No further relevant information available.

**Ecotoxical effects:** 

· Remark: Very toxic for fish

· Additional ecological information: According to recipe contains the following heavy metals and compounds according to EC

guideline NO. 76/464 EC: Free of heavy metals (Pb, Cd, Hg, Cr6+)

Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers

(PBDEs) according to RoHS Directive.

· General notes: Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Water hazard class 2 (Self-assessment): hazardous for water.

Prevent product from reaching ground water, water bodies or sewage systems.

Danger to drinking water even if small quantities leak into soil.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable. · vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

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· European waste catalogue (recommendation)			
08 02 99	wastes not otherwise specified		
HP3	Flammable		
HP4	Irritant - skin irritation and eye damage		
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity		
HP14	Ecotoxic		

Additional information about the

European waste catalogue:

The assignment of a waste key number according to EC Decision 2000/532/EC in connection with EU Directive 75/442/EC has to follow specific industry requirements.

The obove mentioned classification is only one possible proposal.

Void · Uncleaned packagings:

Recommendation: Disposal according to official regulations

Recommendation:	Disposal according to official regulations.	
SECTION 14: Transport information	ation	
· 14.1 UN-Number · ADR, IMDG, IATA	UN1993	
· 14.2 UN proper shipping name · ADR	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, ACETONE), ENVIRONMENTALLY HAZARDOUS, (vapour pressure at 50°C not more than 110 kPa)	
· IMDG	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, ACETONE), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, ACETONE)	
· 14.3 Transport hazard class(es)		
ADN W		
· Class · Label	3 (F1) Flammable liquids. 3	



·IMDG



· Class 3 Flammable liquids. · Label

· IATA



3 Flammable liquids. · Class · Label 3

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· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances:
Marine pollutant:	cyclohexane Yes Symbol (fish and trac)
· Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Page:	33
· EMS Number:	F-E,S-E
· Stowage Category	В
· 14.7 Transport in bulk according to Annex II o	f Marpol
and the IBC Code	Not applicable.
· Transport/Additional information:	
ADR	
· Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
1 1 7	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· Transport category	2
Tunnel restriction code	D/E
·IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
(= a)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (VAPOUR PRESSURE AT
-	50°C NOT MORE THAN 110 KPA) (CYCLOHEXANE, ACETONE), 3. II. ENVIRONMENTALLY HAZARDOUS

## **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances -

ANNEX I None of the ingredients is listed.

· Seveso category E1 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the

application of lower-tier

requirements 100 t

Qualifying quantity (tonnes) for the

application of upper-tier

requirements 200 t

REGULATION (EC) No 1907/2006

ANNEX XVII Conditions of restriction: 3, 57

· National regulations

Information about limitation of use: Employment restrictions concerning young persons must be observed.

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· Decree to be applied in case of

technical fault:

Critical quantity values according to the regulations on accidents should be adhered

· Technical instructions (air):

Class	Share in %
III	6.2
NK	71.4

· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

This data is based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

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.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008

· Abbreviations and acronyms:

The classification of the mixture is generally based on the calculation method using

substance data according to Regulation (EC) No 1272/2008.

Department issuing data

specification sheet:

tesa SE, Quality Management/Environment/Safety

· Contact: tesa SE: Dr. D. Lamm, Phone: +49-40-88899-2977, Email: dirk.lamm@tesa.com

tesa SE: Dr. J. Erwin. Phone: +49-40-88899-6954. Email: iessica.erwin@tesa.com

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement

concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity - dermal - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

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Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

\* Data compared to the previous version altered.

GB —