

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

1.1 Product identifier/trade name: Zapit Accelerator

1.2 Relevant identified uses of the substance or mixture and uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Company name: model-tray GmbH für rationellen Dental-Bedarf
Street: Julius-Vosseler-Str. 42
Place: DE - 22527 Hamburg / Germany
Telephone: +49(0)40-3990366-0
Telefax: +49(0)40-3990366-22
e-mail / Internet: info@model-tray.de / www.model-tray.de

1.4 Emergency telephone number: local poison emergency number
GB: 0044 151 951 3317 (Health and Safety Executive (HSE) Chemicals)
USA: 800-222-1222 (National Poison Control number)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11
Xi; R38
N; R51/53
Xn; R65
R67

R-phrases

11 Highly flammable
38 Irritating to skin
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed
67 Vapours may cause drowsiness and dizziness.

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Hazard categories

Flam. Liq. 2
Skin Irrit. 2
STOT SE 3
Asp. Tox. 1
Aquatic Chronic 2

Hazard Statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Signal word: **Danger**

Pictograms:



GHS02



GHS07



GHS08



GHS09

Hazard Statements

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 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.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.
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.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.
Rinse skin with water / shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 Get medical advice/attention if you feel unwell.
P331 DO NOT induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam for extinction.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Hazardous ingredients for labeling

n-hexane

Supplemental Hazard Information (EU)

In use may form flammable/explosive vapour-air mixture.

2.3 Other hazards

In the case of insufficient ventilation and/or through the formation of a explosive/highly flammable mixture is possible. The accumulation in low lying or closed rooms can cause increased danger of fire and explosion.

Information pertaining to special dangers for human and environment

Irritation to skin.

Harmful: may cause lung damage if swallowed.

Results of PBT and vPvB assessment

The mixture is seen neither as persistent, bioaccumulating, toxic (PBT) nor as very persistent, very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Mixtures / Chemical characterization

Mixture of the following substances and non hazardous additives.

3.2 Hazardous components

CAS no.	EC no.	REACH no.	name	% weight	Classification according to 67/548/EEC
110-54-3	203-777-6		n-hexane	< 5	F R11; Repr.Cat.3 R62; Xn R65-48/20; Xi R38; R67; N R51-53
110-54-3	203-777-6		n-hexane	< 5	Flam. Liq. 2, H225 / Repr. 2, H361f / Asp. Tox. 1, H304 / STOT RE 2, H373 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411
110-54-3		01-2119480412-44 xxxxx	n-hexane		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove moisted clothing immediately.

After inhalation

Remove the casualty into fresh air and seek medical advice.

In case of skin contact

Wash off immediately and for a long time with plenty of water.

In case of eye contact

In case of eye contact rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

If swallowed by mistake drink plenty of water and seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam, ABC powder

5.2 Special hazards arising from the substance or mixture

Flammable. Vapours are heavier than air. In combination with air formation of explosive gases possible. Keep away from sources of ignition.

5.3 Advice for firefighters

Special protective equipment for fire-fighters. Use breathing apparatus with independent air supply.

Additional information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel

Keep away from sources of ignition.

6.2 Environmental precautions

No information available.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material.

6.4 Reference to other sections

Information about use - part 7
Information about protective wear – part 8
Information about waste deposition - part 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Avoid inhalation of fumes and aerosols. Take measures against electrostatically charging.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed.
Storage: cool, dry and in a dark place

Information on storage stability

Storage life at least 6 months if stored properly. Refer to product label.

Storage group: 3

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Indicative occupational exposure limit values

CAS no.	name	code	mg/m³	ppm	Remark
110-54-3	n-hexane	8 hours	180	50	DFG, EU, Y

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS no.	name	code	mg/m³	ppm	Remark
110-54-3	n-hexane	8 hours	72	20	

Biological limits (TRGS 903)

CAS no.	name	parameter	BGW	examination material	test date
110-54-3	Hexan (n-hexane)	2,5-Hexandion plus 4,5-Dihydroxy- 2-hexanon (after hydrolysis)	5mg/l	U	b

8.2 Exposure controls

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Hand protection

Detailed information of protective gloves are provided by manufacturers, p.e. at www.kcl.de or www.mapa-professional.com.

Glove Material specification (make/type, thickness, permeation time/life, wetting resistance):
p.e. PVC, 0,6mm permeation = 480 min..

Eye protection

Safety goggles.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : form: liquid
colour: colourless
odour: characteristic

Odour threshold: No information available.

Important health, safety and environmental information

pH value: No information available.

boiling range: 55-62 °C

melting range: -153 °C

flash point: -26 °C

vapourisation rate: No information available.

flammable (solid): No information available.

flammable (gas): No information available.

ignition temperature: No information available.

self ignition temperature: No information available.

lower explosion limit: No information available.

upper explosion limit: No information available.

vapour pressure: 133 hPa - 20 °C

relative density: 0,66 g/cm³ - 20 °C

vapour density: No information available.

solubility in water: 0,01 g/l - 20 °C

solubility / other: No information available.

**partition coefficient n-octanol/
water (log P O/W)**

No information available.

decomposition temperature:

No information available.

viscosity:

No information available.

Oxidising properties

No information available.

Explosive properties

Product is not explosive but formation of explosive vapours is possible.

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Heating. Vapours/gases might be explosive.

10.5 Incompatible materials

Reactions with oxidising agents.

10.6 Hazardous decomposition products

No.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity/irritability/sensitization

LD50 (acute oral, rat)	>	5 000 mg/kg
LD50 (acute dermal, rabbit)	>	3 000 mg/kg
LC50 (acute inhalation, rat)		20 mg/l()

11.2 Irritability

Irritability skin: low irritant effect

Irritability eye: low irritant

11.3 Aspiration hazard

May be lethal in case of swallowing and penetration into respiratory system. Liquid may get in lung and cause damages (chemical pneumonitis, possibly lethal).

Additional information

Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

Biological degradability: readily degradable

12.3 Bioaccumulative potential

Liquid of high evaporation. Product disappears into atmosphere. Product has only low potential to bioaccumulation.

12.4 Mobility in soil

Product is highly volatile.

12.5 Results of PBT and vPvB assessment

The mixture is seen neither as persistent, bioaccumulating, toxic (PBT) nor as very persistent, very, bioaccumulating (vPvB).

12.6 Other adverse effects / general regulation

If handled and applied appropriate ecological problems are not to be expected.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste code no.

16 03 05* name of waste: organic wastes containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Dispose under observation of local regulations.

Recommendations for packaging

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

General information

Waste numbers according to european waste list. Because of different uses of this product, we can not mention a special number. Please, show up according to your use. Given waste code number relates to product how delivered.

SECTION 14: Transport information ADR/RID

14.1 UN number: 1208

14.2 UN proper shipping name: HEXANES

14.3 Transport hazard class(es): 3

14.4 Packing group: II

14.5 Environmental hazards: Yes

14.6 Special precautions for user

No information available.

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

No information available.

Land and inland navigation transport ADR/RID (GGVSEB)

Hazard label(s) 3 / tunnel restriction code D/E

Classification code F1

Limited quantity (LQ): max. 3 Liters inner packaging and 12 Liters each packaging group.
gross mass <20 kg.

SECTION 15: Regulatory information

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

VOC standard: VOC content 100%

National regulations

Restriction of occupation

See regulations for employment of pregnant or nursing women.

Other regulations, restrictions and prohibition regulations

ZH 1/75.1 „Regulations of inflammable liquids“

ZH 1/118 „Working with health hazard substances (for the workers) (M050)“

ZH 1/124 „Betriebsanweisungen für den Umgang mit Gefahrstoffen (A 010)“

ZH 1/129 „Data Sheet: Irritating substances / corrosive substances (M004)“

M 017 (BGI 621) Lösemittel

Water hazard class: 2 Self-classification acc. VwVwS

15.2 Chemical safety Assessment

No information available.

SECTION 16: Other information

Further information

Specification sheets for the employed raw materials. Applicable statutory regulations on hazardous substances ("GefStoffV"), 12th ADR.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R11	Highly flammable
R38	Irritating to skin
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

Wording of the H and EUH phrases

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H411	Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Restricted to professional users.

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety datasheet.