

Safety Data Sheet

according to GHS Regulations

Printing date 2021/09/10

Version number 1

Revision: 2021/07/08

Hazardous according to criteria of Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

SECTION 1: Identification

1.1 Product identifier

Trade name: **Activator RE**

Article number:

ZUB01563

3293098xxx

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

No further relevant information available.

Application of the substance / the mixture confectioning solution

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ContiTech Transportbandsysteme GmbH

Breslauerstr. 14

D-37154 Northeim

+49 5551-702207

Further information obtainable from:

Group Hazardous Substances Management

sds.gsh@conti.de

1.4 Emergency telephone number:

Emergency telephone number: NSW Poisons Information Hotline: 13 11 26

SECTION 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

Classification according to Australia's Work Health and Safety Regulations 2011 (GHS)



flame

Highly flammable liquid and vapour.



health hazard

May cause allergy or asthma symptoms or breathing difficulties if inhaled.



Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation. May cause drowsiness or dizziness.

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2.2 Label elements**Labelling according to GHS.**

This product is classified and labelled as a hazardous chemical according to GHS.

Hazard pictograms GHS02, GHS07, GHS08**Signal word** Danger**Hazard-determining components of labelling:**

Methylidine tri-p-phenylene triisocyanate

Hazard statements

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/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 in accordance with local/regional/national/international regulations.

Additional information:

AUH014 Reacts violently with water.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.
SECTION 3: Composition and Information on Ingredients
3.2 Chemical characterisation: Mixtures**Description:** Solvent mixture**Dangerous components:**

141-78-6	ethyl acetate Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3	≥50-≤100%
2422-91-5	Methylidine tri-p-phenylene triisocyanate Acute Tox. 2; Resp. Sens. 1; Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1; STOT SE 3	≥25-≤50%
4083-64-1	4-isocyanatosulphonyltoluene Resp. Sens. 1; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Acute Tox. 5; Acute Tox. 5 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % STOT SE 3; H335: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	≥0.25-≤1%

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

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SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information:

Take affected persons out of danger area.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Immediately remove any clothing soiled by the product.

Remove contaminated clothes and shoes immediately.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, sand, extinguishing powder.

Water haze

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible in case of fire.

May be released in case of fire: CO, CO₂, NO_x.

vapours of isocyanate

Hydrogen cyanide (HCN)

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Hazchem Code: 3YE

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

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Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose contaminated material as waste according to item 13.
Do not flush with water or aqueous cleansing agents

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 disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Prevent formation of aerosols.
Use solvent-proof equipment.

Information about fire - and explosion protection:

Use explosion-proof apparatus / fittings and spark-proof tools.
Product is flammable. Do not smoke. Keep away from ignition sources.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
Highly volatile, flammable constituents are released during processing.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Keep container tightly closed

Information about storage in one common storage facility:

Do not store together with food, animal feedingstuff or textiles. See recommendation of the German Chemical Industry Association (VCI), September 1993.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

Storage class according to TRGS 510: 3 Flammable liquids (Flash point < 55°C)

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

SECTION 8: Exposure controls and personal protection

8.1 Control parameters

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

141-78-6 ethyl acetate

IOELV (EU)	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm
PEL (USA)	Long-term value: 1400 mg/m ³ , 400 ppm

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REL (USA)	Long-term value: 1400 mg/m ³ , 400 ppm
TLV (USA)	Long-term value: 1440 mg/m ³ , 400 ppm
WES (Australia)	Short-term value: 1440 mg/m ³ , 400 ppm Long-term value: 720 mg/m ³ , 200 ppm
4083-64-1 4-isocyanatosulphonyltoluene	
WES (Australia)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen, as -NCO

DNELs**141-78-6 ethyl acetate**

Dermal	DNEL Worker long-term systemic	63 mg/kg bw/d
Inhalative	DNEL Worker long-term systemic	734 mg/m ³
	DNEL Worker acute/short-term systemic	1,468 mg/m ³
	DNEL Worker long-term local effects	734 mg/m ³
	DNEL Worker acute/short-term local effects	1,468 mg/m ³

2422-91-5 Methylidine tri-p-phenylene triisocyanate

Inhalative	DNEL Worker acute/short-term local effects	0.096 mg/m ³
	DNEL Public long-term local effects	0.048 mg/m ³

4083-64-1 4-isocyanatosulphonyltoluene

Oral	DNEL Public long-term systemic	0.46 mg/kg bw/d
Dermal	DNEL Worker long-term systemic	0.92 mg/kg bw/d
	DNEL Public long-term systemic	0.46 mg/kg bw/d
Inhalative	DNEL Worker long-term systemic	3.24 mg/m ³
	DNEL Public long-term systemic	0.8 mg/m ³

PNECs**141-78-6 ethyl acetate**

PNEC aqua (fresh water)	0.24 mg/L
PNEC aqua (marine water)	0.024 mg/L
PNEC aqua (intermittent releases)	1.65 mg/L
PNEC STP	650 mg/L
PNEC sediment (fresh water)	1.15 mg/kg sedim dw
PNEC sediment (marine water)	0.115 mg/kg sedim dw
PNEC soil	0.148 mg/kg soil dw

2422-91-5 Methylidine tri-p-phenylene triisocyanate

PNEC aqua (fresh water)	0.1 mg/L
PNEC aqua (marine water)	0.01 mg/L
PNEC aqua (intermittent releases)	1 mg/L
PNEC STP	100 mg/L
PNEC sediment (fresh water)	16,700 mg/kg sedim dw
PNEC sediment (marine water)	1,670 mg/kg sedim dw
PNEC soil	3,330 mg/kg soil dw

4083-64-1 4-isocyanatosulphonyltoluene

PNEC aqua (fresh water)	0.03 mg/L
PNEC aqua (marine water)	0.003 mg/L

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PNEC STP	0.4 mg/L
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8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Store protective clothing separately.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Not necessary if room is well-ventilated.

Short term filter device:

Filter A/P2

Protection of hands:



Solvent resistant gloves

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

Material of gloves

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

See section 6 and 7. No additional measures necessary.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value:	Not determined.
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Change in condition

Melting point/freezing point:	Undetermined.
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Initial boiling point and boiling range:	75 °C
Flash point:	-4 °C
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	2.2 Vol %
Upper:	11.5 Vol %
Vapour pressure:	Not determined.
Density at 20 °C:	0.99 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	11 s (DIN 53211/4)
Solvent content:	
Organic solvents:	72.6 %
Solids content:	0.0 %
9.2 Other information	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:

Under atmospheric pressure distillation of solvent(s) without decomposition possible

Thermal decomposition at sustained high temperatures exceeding 250 °C.

10.3 Possibility of hazardous reactions

Develops readily flammable gases/fumes.

Forms explosive gas mixture with air.

10.4 Conditions to avoid Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: See items 5 and 8

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Harmful if inhaled.

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LD/LC50 values relevant for classification:

Oral	LD50	>2,000 mg/kg (rat) (OECD 423)
Inhalative	LC 50 (dust/mist)	1.5 mg/l (rat) (ATEMix)

Primary irritant effect:**Skin corrosion/irritation**

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** None.**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.**STOT-single exposure**

May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological Information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**Other information:** No data available for the preparation itself.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** No data available for the preparation itself**Additional ecological information:****General notes:**

The product contains materials that are harmful to the environment.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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**

Disposal should be based on the relevant state and local laws and regulations, the disposal process should avoid pollution of the environment.

Recommendation

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

Must be specially treated adhering to official regulations.

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

**14.1 UN-Number
ADG, IMDG, IATA**

UN1993

**14.2 UN proper shipping name
ADG, IMDG**

FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, Methylidine tri-p-phenylene triisocyanate)

IATA

FLAMMABLE LIQUID, N.O.S. (containing ETHYL ACETATE, Methylidine tri-p-phenylene triisocyanate)

14.3 Transport hazard class(es)

ADG



**Class
Label**

3 Flammable liquids.
3

IMDG



**Class
Label**

3 Flammable liquids.
3/6.1

IATA



**Class
Label**

3 Flammable liquids.
3 (6.1)

**14.4 Packing group
ADG, IMDG, IATA**

II

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Danger code:

33

EMS Number:

F-E,S-E

Stowage Category

B

Stowage Code

SW2 Clear of living quarters.

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Segregation Code	SG50 Segregation from foodstuffs as in 7.3.4.2.1, 7.6.3.1.2 or 7.7.3.6. SG57 Stow "separated from" odour-absorbing cargoes
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	C/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 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. (ETHYL ACETATE, METHYLIDINE TRI-P-PHENYLENE TRIISOCYANATE), 3, II

SECTION 15: Regulatory information

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

Australian Inventory of Industrial Chemicals

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredients are listed.

Australia: Priority Existing Chemicals

None of the ingredients are listed.

Chemical safety assessment

Named dangerous substances - ANNEX I None of the ingredients are listed.

Seveso category P5c FLAMMABLE LIQUIDS

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients are listed.

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

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SECTION 16: Other information

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

Recommended restriction of use For industrial or professional purposes only.

Department issuing SDS:

Group Hazardous Substances Management
sds.gsh@conti.de

Abbreviations and acronyms:

ADG: Australien Code for the Transport of Dangerous Goods by Road and Rail
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
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
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 2: Acute toxicity – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources

<http://echa.europa.eu/information-on-chemicals/cl-inventory>
<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
http://www.reach-clp-biozid-helpdesk.de/de/Downloads/CLP-VO/CLP_VO_Anhang_VI_Tabelle_3_2.pdf
<http://www.safeworkaustralia.gov.au/>