Section 1. Identification of the substance/preparation and of the company/undertaking

Product name:
LOCTITE STYCAST PC 62

Other means of identification:
LOCTITE STYCAST PC 62

Product code:
IDH3181903

Recommended use of the chemical and restrictions on use

Intended use:
Insulating coating

Manufacturer/Importer/Distributor Representative Company

Henkel Thailand Ltd. The Offices at Centralworld,
35th Floor, 999/9 Rama 1 Rd.,
Kwang Patumwan, Khet Patumwan,
10330 Bangkok

Thailand

Phone: +66 (2209) 8000
Fax-no.: +66 (2209) 8008

E-mail address of person responsible for Safety Data Sheet:
ap-ua-psra.sea@henkel.com

Emergency Telephone for Chemical Accidents:
FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +662 209 8008

Section 2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category	Target organ
Flammable liquids	Category 2	
Serious eye damage/eye irritation	Category 2A	
Specific target organ toxicity - single exposure	Category 3	Central nervous system
Aspiration hazard	Category 1	
Chronic hazards to the aquatic environment	Category 2	

GHS label elements:

Hazard pictogram:



Signal word:
Danger

Hazard statement:
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precaution:

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
Use explosion proof electric equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection, and face protection.
Response:
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P391 Collect spillage.
Storage:
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3. Composition / information on ingredients

Substance or Mixture:
Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	30- 60 %	Flammable liquids 2 H225 Acute toxicity 5; Inhalation H333 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 2 H411
Butanone 78-93-3	10- 30 %	Flammable liquids 2 H225 Acute toxicity 5; Oral H303 Acute toxicity 5; Inhalation H333 Serious eye damage/eye irritation 2A H319 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 2 H305
n-butyl acetate 123-86-4	1- 10 %	Flammable liquids 3 H226 Specific target organ toxicity - single exposure 3 H336 Acute hazards to the aquatic environment 3 H402
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	1- 10 %	Flammable liquids 3 H226 Acute toxicity 5; Oral H303 Skin corrosion/irritation 3 H316 Specific target organ toxicity - single exposure 3 H336, H335 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 2 H411
n-butyl methacrylate 97-88-1	0.1- 1 %	Flammable liquids 3 H226 Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 2A H319 Skin sensitizer 1B H317 Specific target organ toxicity - single exposure 3 H335 Acute hazards to the aquatic environment 3 H402

Section 4. First aid measures

Inhalation:
Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:
Rinse with running water and soap.
Obtain medical attention if irritation persists.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:
After ingestion or vomit: danger of product entering the lung.

Section 5. Fire fighting measures

Suitable extinguishing media:
Carbon dioxide, foam, powder
Fine water spray

Improper extinguishing media:
Water jet (solvent-containing product).

Specific hazards arising from the chemical:
Can form explosive gas/air mixtures.
See section 10.

Special protection equipment and precautions for firefighters:
Wear self-contained breathing apparatus.
Keep personnel upwind of fire.
In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:
Ensure adequate ventilation.
Keep unprotected persons away.
Remove sources of ignition.
Wear protective equipment.

Environmental precautions:
Do not empty into drains / surface water / ground water.
Collect contaminated washing water for appropriate disposal.
Inform authorities in the event of product spillage to water courses or sewage systems.

Clean-up methods:
Remove mechanically.
For small spills wipe up with paper towel and place in container for disposal.
Wipe up using absorbent material and subject to waste incineration.
Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up.
Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:
Do not spray onto flames or red-hot objects.
Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Take measures to prevent the build-up of electrostatic charges.
See advice in section 8
Avoid skin and eye contact.
Use only in well-ventilated areas.
Avoid spraying/aerosol generation.

Storage:
Store in sealed original container.
Close the container carefully after use and store it at a good ventilated place.
Ensure that storage and workrooms are adequately ventilated.
Must be stored in a room with spill collection facilities.
Keep away from heat and direct sunlight.
Take precautionary measures against static discharges during storage and transport.
Do not store near sources of heat or ignition, or reactive materials.
Do not store together with oxidants.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Hexane (Commercial, <54% n-Hexane) 64742-49-0	**Value type**	Time Weighted Average (TWA):
	ppm	100
	Remarks	ACGIH
Hexane (Commercial, <54% n-Hexane) 64742-49-0	**Value type**	Skin designation:
	Remarks	ACGIH Danger of cutaneous absorption
METHYL ETHYL KETONE (MEK) 78-93-3	**Value type**	Time Weighted Average (TWA):
	ppm	200
	Remarks	TH OEL
Methyl ethyl ketone (MEK) 78-93-3	**Value type**	Skin designation:
	Remarks	ACGIH Danger of cutaneous absorption
Methyl ethyl ketone (MEK) 78-93-3	**Value type**	Time Weighted Average (TWA):
	ppm	75
	Remarks	ACGIH
Methyl ethyl ketone (MEK) 78-93-3	**Value type**	Short Term Exposure Limit (STEL):
	ppm	150
	Remarks	ACGIH
N-BUTYL ACETATE 123-86-4	**Value type**	Time Weighted Average (TWA):
	ppm	50
	Remarks	ACGIH
N-BUTYL ACETATE 123-86-4	**Value type**	Short Term Exposure Limit (STEL):
	ppm	150
	Remarks	ACGIH

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment.
Suitable respiratory protection:
Use filter A-P2 if vapours/aerosols occur which may be inhaled.

Hand protection:
Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Protective goggles
and/or
facial protection
Protective eye equipment should conform to EN166.

Body protection:
Wear suitable protective clothing.
Protective clothing that covers arms and legs.
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Engineering controls:
Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

General protection and hygiene measures:
The workplace should be equipped with an emergency shower and eye-rinsing facility.

Hygienic measures:
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Take off contaminated clothing and wash before reuse.

Section 9. Physical and chemical properties

Appearance:	Light blue, Colourless / Colorless liquid
Odor:	of solvent
Odor threshold (CA):	No data available.
pH:	Not applicable, Product is non-soluble (in water).
Melting point / freezing point:	Not applicable, Product is a liquid
Specific gravity:	No data available.
Boiling point:	125 °C (257 °F)
Flash point:	-4 °C (24.8 °F) Estimated
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	100 %(V)
Upper explosive limit:	100 %(V)
Vapor pressure: (; 20 °C (68 °F))	> 1000 hPa
Vapor density:	< 1
Density:	0.82 g/cm3
Solubility:	low solubility
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	Not available.
Decomposition temperature:	> 100 °C
Viscosity:	45 - 55 mPa.s (Brookfield; Instrument: LV; 25 °C (77 °F); Spindle No: 1; Method: ;; LCT STM 10; Viscosity Brookfield)
VOC content: (2010/75/EC)	75.4 %

Section 10. Stability and reactivity

Reactivity/Incompatible materials:
Reaction with strong oxidants.
Chemical stability:
Stable under recommended storage conditions.

Conditions to avoid:
Vapours may form explosive mixture with air.
Spray mist may be flammable at temperatures below the flash point.
Heat, flames, sparks and other sources of ignition.
Take measures to prevent the build-up of electrostatic charges.
Hazardous decomposition products:
Hydrocarbons
carbon oxides.
See section 5.

Section 11. Toxicological information

Health Effects:
Eyes: Causes serious eye irritation.
Symptoms of Overexposure**:** None known.

Acute oral toxicity:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	LD50
	Value	> 5,840 mg/kg
	Species	rat
	Method	not specified
Butanone 78-93-3	Value type	LD50
	Value	2,193 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)
n-butyl acetate 123-86-4	Value type	LD50
	Value	10,760 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Value type	LD50
	Value	3,492 mg/kg
	Species	rat
	Method	not specified
n-butyl methacrylate 97-88-1	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	LC50
	Value	> 23.3 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	Acute toxicity estimate (ATE)
	Value	23.31 mg/l
	Exposure time	4 h
	Species	
	Method	Expert judgement
Butanone 78-93-3	Value type	LC50
	Value	34.5 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified
n-butyl acetate 123-86-4	Value type	LC50
	Value	> 23.4 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Value type	LC50
	Value	> 10.2 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
n-butyl methacrylate 97-88-1	Value type	LC50
	Value	29 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	LD50
	Value	> 2,800 mg/kg
	Species	rat
	Method	not specified
Butanone 78-93-3	Value type	LD50
	Value	> 6,400 mg/kg
	Species	rabbit
	Method	not specified
n-butyl acetate 123-86-4	Value type	LD50
	Value	> 14,112 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Value type	LD50
	Value	> 3,160 mg/kg
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
n-butyl methacrylate 97-88-1	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Butanone 78-93-3	Result	not irritating
	Exposure time	4 h

	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
n-butyl acetate 123-86-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	mildly irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
n-butyl methacrylate 97-88-1	Result	moderately irritating
	Exposure time	24 h
	Species	rabbit
	Method	not specified

Serious eye damage/irritation:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	other guideline:
Butanone 78-93-3	Result	irritating
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-butyl acetate 123-86-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-butyl methacrylate 97-88-1	Result	slightly irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)
Butanone 78-93-3	Result	not sensitising
	Test type	Buehler test
	Species	guinea pig
	Method	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)
n-butyl acetate 123-86-4	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	not specified
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)
n-butyl methacrylate 97-88-1	Result	sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
n-butyl methacrylate 97-88-1	Result	Sub-Category 1B (sensitising)
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	without
	Method	equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Butanone 78-93-3	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Butanone 78-93-3	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	not applicable
	Method	equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Butanone 78-93-3	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Butanone 78-93-3	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
n-butyl acetate 123-86-4	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
n-butyl acetate 123-86-4	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-butyl acetate 123-86-4	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	negative
	Type of study / Route of administration	sister chromatid exchange assay in mammalian cells
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	negative
	Type of study / Route of administration	inhalation
	Metabolic activation / Exposure time	
	Species	rat
	Method	EPA OPPTS 870.5395 (In Vivo Mammalian Cytogenics Tests: Erythrocyte Micronucleus Assay)

n-butyl methacrylate 97-88-1	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
n-butyl methacrylate 97-88-1	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
n-butyl methacrylate 97-88-1	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-butyl methacrylate 97-88-1	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Repeated dose toxicity:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	NOAEL=5.8 mg/l
	Route of application	inhalation: vapour
	Exposure time / Frequency of treatment	13 w6 h/d, 5 d/w
	Species	rat
	Method	equivalent or similar to OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Butanone 78-93-3	Result	NOAEL=2500 ppm
	Route of application	inhalation
	Exposure time / Frequency of treatment	90 days6 hours/day, 5 days/week
	Species	rat
	Method	not specified
Butanone 78-93-3	Result	LOAEL=5000 ppm
	Route of application	inhalation
	Exposure time / Frequency of treatment	90 days6 hours/day, 5 days/week
	Species	rat
	Method	not specified
n-butyl acetate 123-86-4	Result	NOAEL=125 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	6 (interim sacrifice) or 13 wdaily
	Species	rat
	Method	EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
n-butyl methacrylate 97-88-1	Result	NOAEL=120 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	3 mdaily
	Species	rat
	Method	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: H411 Toxic to aquatic life with long lasting effects.

Toxicity:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	LL50
	Value	3 - 10 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
	Value type	NOEC
	Value	> 0.1 - 1 mg/l
	Acute Toxicity Study	Fish
	Exposure time	28.0 d
	Species	not specified
	Method	OECD Guideline 210 (fish early lite stage toxicity test)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	EC50
	Value	4.6 - 10 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Value type	EL50
	Value	10 - 30 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOELR
	Value	10 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butanone 78-93-3	Value type	LC50
	Value	3,220 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butanone 78-93-3	Value type	EC50
	Value	5,091 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butanone 78-93-3	Value type	EC50
	Value	1,240 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC10
	Value	1,010 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butanone 78-93-3	Value type	EC50
	Value	1,150 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	16 h
	Species	Pseudomonas putida
	Method	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)
n-butyl acetate 123-86-4	Value type	LC50
	Value	18 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas

	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-butyl acetate 123-86-4	Value type	EC50
	Value	44 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia sp.
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-butyl acetate 123-86-4	Value type	EC50
	Value	674.7 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC10
	Value	295.5 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-butyl acetate 123-86-4	Value type	IC50
	Value	356 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	40 h
	Species	Ciliate (Tetrahymena pyriformis)
	Method	other guideline:
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Value type	LL50
	Value	8.2 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Value type	EL50
	Value	4.5 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Value type	EL50
	Value	3.1 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOELR
	Value	0.5 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-butyl methacrylate 97-88-1	Value type	LC50
	Value	11 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-butyl methacrylate 97-88-1	Value type	EC50
	Value	32 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-butyl methacrylate 97-88-1	Value type	EC50
	Value	31.2 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	24.8 mg/l

	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-butyl methacrylate 97-88-1	Value type	EC0
	Value	31.7 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	18 h
	Species	Pseudomonas putida
	Method	other guideline:

Persistence and degradability:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Result	readily biodegradable
	Route of application	aerobic
	Degradability	89 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Butanone 78-93-3	Result	readily biodegradable
	Route of application	aerobic
	Degradability	98 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
n-butyl acetate 123-86-4	Result	readily biodegradable
	Route of application	aerobic
	Degradability	83 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	Result	readily biodegradable
	Route of application	aerobic
	Degradability	77 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
n-butyl methacrylate 97-88-1	Result	readily biodegradable
	Route of application	aerobic
	Degradability	88 %
	Method	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

Bioaccumulative potential / Mobility in soil:

Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	LogPow	4 - 5.7
	Temperature	
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Butanone 78-93-3	LogPow	0.3
	Temperature	40 °C
	Method	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
n-butyl acetate 123-86-4	LogPow	2.3
	Temperature	25 °C
	Method	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Solvent naphtha (petroleum), light arom., <0.1% Benzene 64742-95-6	LogPow	2.13 - 4.58
	Temperature	
	Method	QSAR (Quantitative Structure Activity Relationship)
n-butyl methacrylate 97-88-1	LogPow	2.99
	Temperature	20 °C
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

Section 13. Disposal considerations

Product

Method of disposal:
Dispose of in accordance with local and national regulations.

Packaging

Disposal of uncleaned packages:
Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

Road transport ADR:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1866
Label:	3
Technical name:	RESIN SOLUTION
Additional information:	Special provision 640D

Railroad transport RID:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1866
Label:	3
Technical name:	RESIN SOLUTION
Additional information:	Special provision 640D

Inland water transport ADN:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1866
Label:	3
Technical name:	RESIN SOLUTION
Additional information:	Special provision 640D

Marine transport IMDG:

Class:	3
Packing group:	II
UN no.:	1866
Label:	3
EmS:	F-E ,S-E
Seawater pollutant:	Marine pollutant
Proper shipping name:	RESIN SOLUTION (Solvent Naphtha (Petroleum), Light Aromatic)

Air transport IATA:

Class:	3
Packing group:	II
Packaging instructions (passenger):	353
Packaging instructions (cargo):	364
UN no.:	1866
Label:	3
Proper shipping name:	Resin solution

Section 15. Regulatory information

Regulatory Information:
Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

Global inventory status:

Regulatory list	Notification
TSCA	yes
DSL	yes
KECI (KR)	yes
ENCS (JP)	yes
ISHL (JP)	yes
IECSC	yes
AIIC	yes
TCSI	yes
PICCS (PH)	yes
EINECS	yes

Section 16. Other information

Disclaimer:
This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.
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