



## Safety Data Sheet

LOCTITE RC 635 50ML

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SDS No. : 150755

V001.4

Date of issue: 19.11.2020

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

**Product name:** LOCTITE RC 635 50ML

**Intended use:** Anaerobic Adhesive

**Supplier:**

Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

### Section 2. Hazards identification

**Classification of the substance or mixture**

Hazardous according to the criteria of Safe Work Australia.

**GHS Classification:**

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Skin corrosion	Category 1A	
Serious eye damage/eye irritation	Category 1	
Skin sensitizer	Category 1	
Target Organ Systemic Toxicant - Single exposure	Category 3	respiratory tract irritation
Acute hazards to the aquatic environment	Category 2	
Chronic hazards to the aquatic environment	Category 3	

**Hazard pictogram:**



**Signal word:** Danger

**Hazard statement(s):** H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H401 Toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statement(s):**

**Prevention:** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.  
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Storage:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

**Dangerous Goods information:**

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Section 3. Composition / information on ingredients**

**General chemical description:** Mixture  
resins

**Type of preparation:** Methacrylate resin based product containing Acrylic Acid

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Methacrylic acid, monoester with propane-1,2-diol	27813-02-1	30- < 60 %
Acrylic acid	79-10-7	5- < 10 %
2,2'-Ethylenedioxydiethyl dimethacrylate	109-16-0	1- < 10 %
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide	80-15-9	1- < 3 %
methacrylic acid	79-41-4	1- < 3 %
non hazardous ingredients~		20- < 60 %

**Section 4. First aid measures**

**Ingestion:** Rinse mouth, do not induce vomiting, consult a doctor.

**Skin:** Immediately wash skin thoroughly with soap and water.  
Seek medical advice.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes.  
Immediate medical treatment necessary.

**Inhalation:** Move to fresh air.  
Seek medical advice.

**First Aid facilities:** Eye wash and safety shower  
Normal washroom facilities

**Medical attention and special treatment:** Treat symptomatically.

### Section 5. Fire fighting measures

**Suitable extinguishing media:** Foam, dry chemical or carbon dioxide.

**Decomposition products in case of fire:** Thermal decomposition can lead to release of irritating gases and vapors.  
Carbon monoxide.  
Carbon dioxide.  
Oxides of nitrogen.  
Oxides of sulfur.

**Special protective equipment for fire-fighters:** Wear full protective clothing.  
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Additional fire fighting advice:** In case of fire, keep containers cool with water spray.  
Collect contaminated fire fighting water separately. It must not enter drains.

### Section 6. Accidental release measures

**Personal precautions:** Remove sources of ignition.  
Avoid skin and eye contact.  
Wear protective equipment.  
Ensure adequate ventilation.

**Environmental precautions:** Do not empty into drains / surface water / ground water.

**Clean-up methods:** Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.  
Absorb spill with inert material. Shovel material into appropriate container for disposal.  
Dispose of contaminated material as waste according to Section 13.

### Section 7. Handling and storage

**Precautions for safe handling:** Use only with adequate ventilation.  
Avoid contact with eyes, skin and clothing.  
Do not breathe gas/fumes/vapor/spray.  
Keep away from heat, spark and flame.  
Wash thoroughly after handling.

**Conditions for safe storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.  
Keep container tightly sealed.  
Do not store above 100°F (38°C).

### Section 8. Exposure controls / personal protection

**National exposure standards:**

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
ACRYLIC ACID 79-10-7		2	5.9				
METHACRYLIC ACID 79-41-4		20	70				

<b>Engineering controls:</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Eye protection:</b>	For eye protection, use tightly fitted safety goggles and a face-shield
<b>Skin protection:</b>	Use of an impervious apron is recommended. Suitable protective gloves. Recommended gloves include butyl rubber and neoprene. Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.
<b>Respiratory protection:</b>	If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

**Section 9. Physical and chemical properties**

<b>Appearance:</b>	Green Liquid
<b>Odor:</b>	Sharp, Irritating
<b>Specific gravity:</b>	1.09
<b>Boiling point:</b>	> 100 °C (> 212 °F)
<b>Flash point:</b> (Tagliabue closed cup)	> 93.00 °C (> 199.4 °F)
<b>Vapor pressure:</b> (; 27 °C (80.6 °F))	< 10 mm hg
<b>Density:</b>	1.1 g/cm3
<b>Solubility in water:</b>	None
<b>Viscosity (dynamic):</b> (; Method: ;; LCT STM 83; Cannon-Fenske Viscosity)	1,500 - 2,500 mPa.s

**Section 10. Stability and reactivity**

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition.
<b>Incompatible materials:</b>	Reaction with strong acids. Reacts with strong oxidants.
<b>Hazardous decomposition products:</b>	Thermal decomposition can lead to release of irritating gases and vapors.  Carbon monoxide. Carbon dioxide. nitrogen oxides Sulphur oxides
<b>Hazardous polymerization:</b>	Will not occur.

### Section 11. Toxicological information

**Health Effects:****Ingestion:**

May cause gastrointestinal disturbances.  
Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Skin:**

May cause allergic skin reaction.  
May cause skin burns.

**Eyes:**

Causes serious eye damage.  
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Inhalation:**

This product is irritating to the respiratory system.  
Inhalation of vapors or mists of the product may be irritating to the respiratory system.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	LD50 LD50	> 2,000 mg/kg > 5,000 mg/kg	oral  dermal		rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) not specified
Acrylic acid 79-10-7	LD50 LC50 Acute toxicity estimate (ATE) Acute toxicity estimate (ATE)	1,500 mg/kg > 5.1 mg/l 11 mg/l 1,100 mg/kg	oral inhalation inhalation dermal	4 h	rat rat	BASF Test OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement Expert judgement
2,2'-Ethyleneoxydiethyl dimethacrylate 109-16-0	LD50 LD50	10,837 mg/kg > 2,000 mg/kg	oral  dermal		rat mouse	not specified not specified
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	LD50 LD50 Acute toxicity estimate (ATE)	382 mg/kg 530 - 1,060 mg/kg 1,100 mg/kg	oral  dermal dermal		rat rat	other guideline: other guideline: Expert judgement
methacrylic acid 79-41-4	LD50 LC50 Acute toxicity estimate (ATE) LD50 Acute toxicity estimate (ATE)	1,320 mg/kg > 3.6 mg/l 3.61 mg/l 500 - 1,000 mg/kg 500 mg/kg	oral inhalation inhalation dermal dermal	4 h	rat rat  rabbit	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement Dermal Toxicity Screening Expert judgement

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	not irritating	24 h	rabbit	Draize Test
Acrylic acid 79-10-7	highly corrosive	3 min	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	not irritating	24 h	rabbit	Draize Test
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	corrosive		rabbit	Draize Test
methacrylic acid 79-41-4	corrosive	3 min	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	irritating		rabbit	Draize Test
Acrylic acid 79-10-7	corrosive	21 d	rabbit	BASF Test
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
methacrylic acid 79-41-4	corrosive		rabbit	Draize Test

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	sensitising	Guinea pig maximisation test	guinea pig	not specified
Acrylic acid 79-10-7	not sensitising	Skin painting test	guinea pig	not specified
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
methacrylic acid 79-41-4	not sensitising	Buehler test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

<b>Hazardous components CAS-No.</b>	<b>Result</b>	<b>Type of study / Route of administration</b>	<b>Metabolic activation / Exposure time</b>	<b>Species</b>	<b>Method</b>
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	negative	oral: gavage		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Acrylic acid 79-10-7	negative negative	mammalian cell gene mutation assay DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	with and without without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
Acrylic acid 79-10-7	negative	oral: gavage		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
2,2'-Ethyleneoxydiethyl dimethacrylate 109-16-0	negative negative negative	mammalian cell gene mutation assay bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell micronucleus test	with and without with and without with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	positive	bacterial reverse mutation assay (e.g Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	negative	dermal		mouse	not specified
methacrylic acid 79-41-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
methacrylic acid 79-41-4	negative negative	inhalation oral: gavage		mouse mouse	equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test) equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity:**

<b>Hazardous components CAS-No.</b>	<b>Result</b>	<b>Route of application</b>	<b>Exposure time / Frequency of treatment</b>	<b>Species</b>	<b>Method</b>
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	NOAEL=300 mg/kg	oral: gavage		rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	NOAEL=1,000 mg/kg	oral: gavage	daily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9		inhalation: aerosol	6 h/d5 d/w	rat	not specified
methacrylic acid 79-41-4		inhalation	90 d6 h/d, 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

**Section 12. Ecological information**



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

**Ecotoxicity:** Harmful to aquatic life with long lasting effects.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	LC50	493 mg/l	Fish	48 h	Leuciscus idus melanotus	DIN 38412-15
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	EC50	> 143 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	EC50	> 97.2 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	NOEC	> 97.2 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test) not specified
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	EC10	1,140 mg/l	Bacteria	16 h		
Acrylic acid 79-10-7	LC50	27 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	EPA OTS 797.1400 (Fish Acute Toxicity Test)
Acrylic acid 79-10-7	EC50	95 mg/l	Daphnia	48 h	Daphnia magna	EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)
Acrylic acid 79-10-7	EC10	0.03 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
Acrylic acid 79-10-7	EC50	0.13 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
Acrylic acid 79-10-7	EC20	900 mg/l	Bacteria	30 min	activated sludge, domestic	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	LC50	16.4 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	EC50	> 100 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	NOEC	18.6 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	LC50	3.9 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	EC50	18 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	ErC50	3.1 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test) not specified
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	EC10	70 mg/l	Bacteria	30 min		
methacrylic acid 79-41-4	LC50	85 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	EPA OTS 797.1400 (Fish Acute Toxicity Test)
methacrylic acid 79-41-4	EC50	> 130 mg/l	Daphnia	48 h	Daphnia magna	EPA OTS 797.1300 (Aquatic

methacrylic acid 79-41-4	NOEC	8.2 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	Invertebrate Acute Toxicity Test, Freshwater Daphnids) OECD Guideline 201 (Alga, Growth Inhibition Test)
methacrylic acid 79-41-4	EC50	45 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
methacrylic acid 79-41-4	EC10	100 mg/l	Bacteria	17 h		not specified

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	readily biodegradable	aerobic	94.2 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Acrylic acid 79-10-7	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Acrylic acid 79-10-7	readily biodegradable	aerobic	81 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9		no data	0 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
methacrylic acid 79-41-4	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
methacrylic acid 79-41-4	readily biodegradable	aerobic	86 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	0.97				20 °C	not specified
Acrylic acid 79-10-7		3.16				QSAR (Quantitative Structure Activity Relationship)
Acrylic acid 79-10-7	0.46				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	2.3					OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9		9.1		calculation		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	2.16					not specified
methacrylic acid 79-41-4	0.93				22 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

### Section 13. Disposal considerations

- Waste disposal of product:** Waste incineration or disposal with the approval of the responsible local authority.
- Disposal for uncleaned package:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated. Disposal must be made according to official regulations.

### Section 14. Transport information

**Road and Rail Transport:**

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

### Section 15. Regulatory information

**SUSMP Poisons Schedule** None

### Section 16. Other information

**Abbreviations/acronyms:** ADGC - Australian Dangerous Goods Code  
GHS: Globally Harmonized System  
CAS: Chemical Abstracts Service  
OECD: Organization for Economic Cooperation and Development  
LD 50: Lethal Dose 50%  
LC 50: Lethal Concentration 50%  
IMDG: International Maritime Dangerous Goods code  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
STEL - Short term exposure limit  
TWA - Time weighted average

**Reason for issue:** Reviewed SDS. Reissued with new date. involved chapters: 2,3,9,10,15,16

**Date of previous issue:** 11.12.2015

**Disclaimer:**

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