

Material Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Version : 01


Date of revision :

14/09/2018

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

1.1. Product identifier	
	Kinetics Gel Polish Remover Red Lizard with Aloe Vera scent Item: KRRLxx
1.2. Relevant identified uses of the substance or mixture and uses advised against	
	Cosmetic, gel polish remover.
1.3. Details of the supplier of the safety data sheet	
Responsible person:	Kinetics Nail Systems, Ltd 22 Tēraudlietuves St, Riga, Latvia, LV-1026, Latvia TEL: +(371) 6 7295 260 FAX: +(371) 6 7873 525 e-mail: info@kineticsnails.com web: www.kineticsnails.com E-mail of person responsible for Product Safety Data Sheet: info@kineticsnails.com
1.4. Emergency telephone number	
	EU:112 Emergency telephone for other regions to be filled out by local business

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
According to regulation (EC) No 1272/2008:	Eye Irrit. 2 , H319 Flam. Liq. 2, H225 STOT SE 3, H336 EUH066 EUH208
Important adverse physicochemical, human health and environmental effects:	Flam. Liq. 2, Flammable liquids, Hazard Category 2; H225 Highly flammable liquid and vapour. Eye Irrit. 2- Serious eye damage/eye irritation: Hazard Category 2; H319 Causes serious eye irritation. STOT SE 3 Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis; H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains Citral. May produce an allergic reaction.
2.2. Label elements	
According to regulation (EC) No 1272/2008: (Applicable from 01.06.2015)	 <p>Danger! H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains Citral. May produce an allergic reaction.</p> <p>Contains: Acetone.</p> <p>P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p>

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	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 +P313 If eye irritation persists: Get medical advice/attention. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p>
2.3. Other hazards	Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

See section 11 for more detailed information on health effects and symptoms.

SECTION 3: Composition/information on ingredients

3.1. Substances	No relevant.
3.2. Mixtures	Blend of acetone with hazardous and non-hazardous additives.

Ingredient name (INCI)	Identifiers:	Conc.%	Classification Regulation (EC) 1272/2008 (CLP)	Type
Acetone Propan-2-one Propanone	CAS: 67-64-1 EC: 200-662-2 INDEX: 606-001-00-8	90-95	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
Citral	CAS: 5392-40-5 EC: 226-394-6 INDEX: 605-019-00-3	0,1-0,5 %	Skin Irrit. 2, H315 Skin Sens. 1, H317	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

See section 16 for the full text of the H phrases declared above.

Occupational exposure limits, if available, are listed in section 8.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

SECTION 4: First aid measures

4.1. Description of first aid measures	
General advice:	Remove contaminated clothing.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes. Flush with plenty of water. Obtain medical attention if irritation persists.
Eye contact:	Immediately wash the eyes with plenty of water for at least 15 min holding the eye open. Obtain medical attention urgently..
Ingestion:	Do not INDUCE VOMITING. Rinse mouth with water. Get medical attention IMMEDIATELY.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	May cause nose and throat irritation. May affect the brain or nervous system, causing dizziness, headache or nausea. Harmful if inhaled. Narcosis, loss of coordination, vomiting, difficulty with speech, reduced visibility, fatigue, cough, unconsciousness.
Skin contact:	Causes skin irritation and may cause allergic skin reaction. Swelling and redness of skin, dermatitis, drowsiness.
Eye contact:	Cause eye irritation. conjunctivitis, lacrimation, redness and swelling of eyes.
Ingestion:	Harmful if swallowed, abdominal pain
4.3. Indication of any immediate medical attention and special treatment needed	
Specific treatments:	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

See section 11 for more detailed information on health effects and symptoms.

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SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Extinguishing powder, alcohol resistant foam, carbon dioxide, water fog.
Unsuitable extinguishing media:	Full water jet.
5.2. Special hazards arising from the substance or mixture	
	Fire class: B Mixtures with 4% acetone mixed with 96% water still have a flash point of 54 °C. Do not expose to high temperature. Danger of bursting and explosion. Use fine water spray to cool endangered containers. Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapors.
5.3. Advice for firefighters	
	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
	Avoid contact with skin and eyes. Wear protective equipment. Provide adequate ventilation Keep away from heat and sources of ignition.
6.2. Environmental precautions	
	Do not empty into drains / surface water / ground water. Prevent further leakage or spillage.
6.3. Methods and material for containment and cleaning up	
	In case of spills: Dam spills and pump to remove. Explosion protection required. Absorb leftover product with non-flammable liquid-binding material (e.g. earth, sand, vermiculite or ground sand stone) and place in closed containers for disposal. Dilute with plenty of water. Use only explosion-protected equipment/instruments. Flowing water: Dilution occurs quickly. In case of large spills/leaks inform appropriate local, state, and federal spill reporting authorities. Standing water: Seal off. Remove all sources of ignition.
6.4. Reference to other sections	
	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	
Protective measures:	Avoid inhalation, skin and eye contact.
Advice on general occupational hygiene:	Good industrial hygiene practices should be observed. No smoking. Provide sufficient air exchange and/or exhaust in work rooms. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Take off all contaminated clothing immediately. See also Section 8 for additional information on hygiene measures.
7.2. Conditions for safe storage, including any incompatibilities	
Storage:	Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion. Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. Beware of reignition. Potentially explosive mixture may form within partially empty containers. Emergency cooling must be provided for in case of a fire in the vicinity. Do not weld. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Store in well-ventilated area. Keep containers (solvent resistant) closed when not in use. Store away from ignition sources. All equipment should be grounded. Avoid strong oxidizing




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	<p>agents, store in a clean, dry area.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p> <p>Empty container may retain product residues (vapour or liquid).</p>
7.3. Specific end use(s)	
Industrial sector specific solutions:	No applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Occupational exposure limits	<p>Limit values are laid down throughout the EU, but each Member State establishes its own national OELs, often going beyond EU legislation. OELs are set by competent national authorities and other relevant institutions.</p> <p><u>EU INDICATIVE OCCUPATIONAL EXPOSURE LIMIT VALUES, first list (June, 2000):</u> ACETONE: Long-term exposure limit, 8-hr TWA reference period: 500 ppm; 1210 mg/m³.</p> <p><u>United Kingdom (HSE, 2011):</u> ACETONE: Long-term exposure limit, 8-hr TWA reference period: 500 ppm; 1210 mg/m³. Short-term exposure limit, 15 minute reference period: 1500 ppm; 3620 mg/m³.</p> <p><u>Latvia (AER, reg.325/2011):</u> ACETONE: Long-term exposure limit, 8-hr TWA reference period: 500 ppm; 1210 mg/m³.</p> <p><u>Germany (TRGS-900):</u> ACETONE: Long-term exposure limit, 8-hr TWA reference period: 500 ppm; 1200 mg/m³.</p>
Recommended monitoring Procedures:	<p>If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.</p>
DNEL:	<p>Acetone:</p> <p>DNEL Long-term, workers, dermal: 186 mg/kg bw/d. DNEL Short-term, workers, inhalative: 2420 mg/m³ DNEL Long-term, workers, inhalative: 1210 mg/m³ DNEL Long-term, consumers, oral: 62 mg/kg bw/d. DNEL Long-term, consumers, dermal: 62 mg/kg bw/d. DNEL Long-term, consumers, inhalative: 200 mg/m³</p>
PNEC:	<p>PNEC water (freshwater): 10.6 mg/L. PNEC water (marine water): 1.06 mg/L. PNEC water (intermittent release): 21 mg/L. PNEC sediment (freshwater): 30.4 mg/kg dwt. PNEC sediment (marine water): 3.04 mg/kg dwt. PNEC soil: 33.3 mg/kg dwt. PNEC sewage treatment plant: 100 mg/L.</p>
8.2 Manufacturer: Exposure controls	
Appropriate engineering Controls:	Ensure good ventilation/extraction.
Individual protection measures:	
Hygiene measures:	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</p> <p>Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.</p>

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Respiratory protection	 <p>Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area. For short exposures or in case of accident: Filter apparatus, type AX (EN 371).</p>
Eye/face protection:	 <p>Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.</p>
Skin protection:	 <p>Chemical-resistant protective gloves (EN 374). Glove material: Butyl caoutchouc (butyl rubber) - Layer thickness $\geq 0,5$ mm. Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. 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. Wear suitable protective clothing. Recommendation: Flame-retardant protective clothing, antistatic. Safety shoes according to EN 345-347.</p>
Environmental exposure controls:	
	According to available technology.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Transparent liquid
Colour	Colorless
Odour	Characteristic aloe vera
Odour threshold	Not applicable.
pH at 25 °C	Not applicable.
Melting point/freezing point	178.45 K (-94.7 °C) at 101 325 Pa.
Initial boiling point and boiling range	329.2 K (56.05 °C)
Flash point	< 21°C Acetone: - 17 °C (closed cup method; therefore acetone is regarded as a highly flammable liquid)
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	240 hPa at 20 °C
Vapour density	Not available
Relative density	0.79 – 0.85
Solubility(ies)	Acetone is miscible with water in all proportions. Acetone is miscible in all proportions with polar organic solvents, such as the lower molecular mass alcohols, carboxylic acids, and ethers. It is miscible in limited proportions with non-polar solvents, such as hydrocarbons.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	The self-ignition temperature of acetone is 465 °C.
Decomposition temperature	Not available.
Viscosity	The dynamic viscosity of acetone at 20 °C is reported to be 0.32 mPa*s.
Evaporation rate	Not available.
Explosive properties	Not available.
Oxidising properties	Not available
9.2. Other information	

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Impurity	Not available
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SECTION 10: Stability and reactivity

10.1. Reactivity	
	Acetone reacts in presence of bases. Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited. May become electrostatically charged.
10.2. Chemical stability	
	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	
	Material WILL NOT undergo hazardous polymerization.
10.4. Conditions to avoid	
	Highly flammable. Concentrated vapours are heavier than air. Forms explosive mixtures with air, also in empty, uncleaned containers. May produce, when being mixed with chloridized hydrocarbons and exposed to light, strongly irritating chloric acetone.
10.5. Incompatible materials	
	Attacks many plastics and rubbers. On contact with barium hydroxide, sodium hydroxide and many other alkaline materials condensation may occur. Avoid contact with strong oxidizing agents, alkalis and amines.
10.6. Hazardous decomposition products	
	Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects				
Product:	ATE mix Oral calculation: >2000 mg/kg, not classified as acute toxic.			
Ingredients:				
Acute toxicity:	Result	Species	Dose	Exposure
Acetone	LD50 Oral	Rat	5 800 mg/kg bw	
	LC50 inhalation	Rat	55 700 ppm	
	LD50 Dermal	Rabbit	> 7 426 mg/kg bw	
Citral	LD50 Dermal	Rabbit	ca. 6 800 mg/kg bw	
	LD50 Oral	Rat	> 2 000 mg/kg bw	
Eye irritation:				
Acetone	A mild irritative effect of acetone was found in rabbit eyes with a low-volume eye test with application of 10 µl acetone. Effects based on Draize scores were fully reversible within 7 days. Based on the criteria of EU Directive 1272/2008 acetone would be classified into Category 2, irritating to eyes.			
Citral	Not irritating.			
Skin irritation/ corrosion:				
Acetone	Acetone (10 µl, open application) was not irritating to rabbit skin after 24 hours of uncovered application.			
Citral	Irritating.			
Sensitisation:				
Citral	The present data on dermal sensitization fulfill the criteria laid down in 67/548/EEC and CLP, and a classification R43 "May cause sensitization by <i>skin</i> contact" or "Skin sensitisation" Category 1 is warranted.			
Repeated dose toxicity:	No known effect according to our database.			
Carcinogenicity:	No known effect according to our database.			
Mutagenicity:	No known effect according to our database.			
Toxicity for reproduction:	No known effect according to our database.			
Specific target organ toxicity – Single exposure:				
Acetone	May cause drowsiness or dizziness.			
Potential acute health effects				
Eye contact:	Irritation, conjunctivitis.			
Inhalation:	Irritation, coughing, shortness of breath, narcotic effect.			
Skin contact:	Redness, inflammation. Rash, Urticaria.			
Ingestion:	Gastrointestinal symptoms, such as nausea, vomiting, abdominal pain, and diarrhea could develop.			

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Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.
Delayed and immediate effects and also chronic effects from short and long term exposure	
Short term exposure:	
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Long term exposure:	Not available.
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Potential chronic health effects:	Not available.
Conclusion/Summary	
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
11.2. Other information	
	Not available.

SECTION 12: Ecological information

12.1. Toxicity						
Aquatic toxicity						
Acetone	Oncorhynchus mykiss	freshwater	96 h	LC50	5 540 mg/L	nominal
12.2. Persistence and degradability						
	Readily biodegradable.					
12.3. Bioaccumulative potential						
	Low.					
12.4. Mobility in soil						
	Not available					
12.5. Results of PBT and vPvB assessment						
	Regarding all available data on biotic and abiotic degradation, bioaccumulation and toxicity it can be stated that the substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB).					
12.6. Other adverse effects						
	No known significant effects or critical hazards.					





SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Product:	
Methods of disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Hazardous waste:	Within the present knowledge of the supplier, this product IS regarded as hazardous waste, as defined by EU regulation 1357/2014
European waste catalogue (EWC):	200113 Solvents
Packaging:	
Methods of disposal:	The generation of waste should be avoided or minimized wherever possible. Packaging: IBC container, plastic drum. Waste packaging should be recycled.
Special precautions:	This material and its container must be disposed of in a safe way.

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SECTION 14: Transport information

International transport regulations: Not regulated

	ADR/RID	ADN	IMDG	IATA
14.1. UN number	1266	1266	1266	1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS with flammable content (ACETONE).			
14.3. Transport hazard class(es)	 3	 3	 3	 3
14.4. Packing group	II	II	II	II
14.5. Environmental hazards	none	none	none	none
14.6. Special precautions for user	Limited quantities: 5L Exempted quantities: Inner package: 30 mL Outer package: 500 mL	Limited quantities: 5L Exempted quantities: Inner package: 30 mL Outer package: 500 mL	Not viscous product as per IMDG code 2.3.2.5. Limited Quantity: 5l/30kg (gross). Certified packing: Internal packing metal, glass, plastic. External packing: Cartoon 4G. Flash point : -5°C	353 (Passenger) - Maximum Quantity 5l 364 (Cargo) - Maximum Quantity 60l
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.			

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH):

Annex XIV - List of substances subject to authorization:	Substances of very high concern: None of the components are listed.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	Not applicable.

15.2. Chemical safety assessment

Chemical Safety Assessment following regulation 1907/2006/EC:	A Chemical Safety Assessment has not been carried out.
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SECTION 16: Other information

Abbreviations and acronyms:

Full text of abbreviations	CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008] ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road RID: International Rule for Transport of Dangerous Substances by Railway IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association CAS: Chemical Abstracts Service EINECS: European Inventory of Existing Commercial chemical Substances LC50: Median lethal concentration LD50: Median lethal dose REACH: Registration, Evaluation and Authorisation of Chemicals
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	PBT: Persistent, bio-accumulative and toxic vPvB: Very persistent, very bio-accumulative
Full text of classifications and H statements [CLP/GHS]:	Flam. Liq. 2, Flammable liquids, Hazard Category 2; H225 Highly flammable liquid and vapour. Skin Irrit. 2, Skin corrosion/ irritation, Hazard Category 2; H315 Causes skin irritation. Skin Sens. 1, Sensitisation — Skin, hazard category 1; H317 May cause an allergic skin reaction. Eye Irrit. 2, Serious eye damage/eye irritation: Hazard Category 2; H319 Causes serious eye irritation. STOT SE 3, Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis H336 May cause drowsiness or dizziness EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains <name of sensitising substance>. May produce an allergic reaction.
Classification system	Classification for health effects: conventional (calculation) method is used. Eye Irrit. 2, H319. STOT SE 3, H336 EUH066 EUH208 Classification for physico-chemical effects: FLAM. LIQ. 2 H225: Flash point < 23 °C and initial boiling point > 35 oC (Physical data). Classification for environmental effects: conventional (calculation) method is used. Not classified.
Training advice:	
	In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.
Used literature:	
	European Chemical Agency's homepage (http://echa.europa.eu/). Safety data sheets of individual components.
DISCLAIMER OF LIABILITY:	
	The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

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