

Safety Data Sheet acc, to Regulation (EC) No 1907/2006

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1. Identification

Trade name: Quicksilver

Synonyms: None.

Relevant identified uses: Solder remover

Uses advised against: No additional information available.

Supplier details: Rokit Cool
11311 Jones Rd W
Suite N
Houston, TX 77065

Tel: +19798850340

E-mail: support@rockitcool.com

Emergency telephone number: 1-877-554-4625: CDC Clinician Information Line (24H)
National Poison Center (Penang) 04 657 0099 (Monday to Friday 08:10-17:10)

2. Hazard identification

GHS classification

Physical hazards	Corrosive to metals.	Category 1
Health hazards	Not classified	
Environmental hazard	Not classified	



GHS Label elements, including precautionary statements

Signal Word: Warning

Hazard Statement: Corrosive to metals.

Precautionary Statement

P234:	Keep only in original container.
P390:	Absorb spillage to prevent material damage
P406:	Store in corrosive resistant container with a resistant inner liner.

3. Composition/information on ingredients

Substance/Mixture: Eutectic mixture of the metal components gallium, indium and trace minerals.

Chemical name	CAS number	%
Gallium	7440-55-3	70-75
Indium	7440-74-6	24-29

4. First aid measures

General: General instructions are not necessary.

Inhalation: Inhalation does not pose any risk.

If the product has come into contact with the skin: Wash affected area with water and soap.

If the product has come into contact with the eyes: Rinse the eyes with lukewarm water, with eyelid opened.

If the product is ingested: Keep cool. Consult a physician and make this Safety Data Sheet available.

Instruction for the physician: Specific measures to be taken are not known or documented. Carry out a symptomatic therapy.

5. Fire-fighting measures

Not applicable because the product is not inflammable.

6. Accidental release measures

Personal precautionary measures:

Potential risk of slipping on spilled product.

Methods and materials for containment and cleaning up:

Vacuum or sweep up large quantities of the material and dispose in plastic bag. Remove any product residues from surfaces by means of surfactant (detergent) /water solution.

7. Handling and storage

Handling:

Hints for safety handling: Avoid spilling. Avoid the unnecessary contact. When Quicksilver fluid is handled in unsealed condition, its quality and degree of purity may be impaired. Rockit Cool disclaims any liability for impairments of the product quality caused by processing operations.

Storage:

Store the product in the original container in a dry, cool place protected from frost. If not used, keep the container closed. The plastic used as container materials should be non-porous (e.g. Polyethylene, Polypropylene).

8. Exposure control/personal protection

Component	CAS-No.	Value type	Control parameters	Basis
Galium	7440-55-3	NA	NA	NA
Indium	7440-74-6	TWA	0.1mg/m ³	NIOSH REL

General protective and hygienic measures:

As with any chemical, wash your hands before and after handling.

Respiratory protection:

In emergency cases such as fire and oxide smoke, use a filter apparatus and filter P3.

Hand protection:

Wear rubber protective gloves to avoid a repeated or permanent contact with the skin as the product will deplete skin oils. If necessary, use a skin protective hand lotion.

Eye protection:

Wear eye protection to prevent potential contact with the eyes.

Body protection:

Wear suitable clothing if there is a risk of splashing and potential contact with the body. Prolonged contact can deplete skin oils.

9. Physical and chemical properties

Appearance

Physical state Liquid metal alloy

Color Silvery

Odor Odorless

Odor Threshold Not available

pH Not applicable

Melting point/freezing -19°C/ NA

<i>Point</i>	
<i>Initial boiling point and Boiling range</i>	>1300°C
<i>Flash point</i>	None
<i>Evaporation rate</i>	Not available
<i>Flammability(solid,gas)</i>	Not applicable
<i>Upper/lower flammability or explosive limit</i>	
<i>Flammability</i>	
<i>Limit-lower(%)</i>	Not available
<i>Flammability</i>	
<i>Limit-upper(%)</i>	Not available
<i>Vapor pressure</i>	<10-8 Torr at 500°C
<i>Vapor density</i>	Not available
<i>Density</i>	6,44 g/cm ³
<i>Solubility in water</i>	Insoluble
<i>Partition coefficient (n-octanol/water)</i>	Not available
<i>Auto- ignition temp.</i>	Not applicable
<i>Decomposition temp.</i>	Not applicable
<i>Viscosity</i>	16,5 W·m ⁻¹ K ⁻¹

10. Stability and reactivity

Conditions to be avoided: Heat generating reactions can be expected if the product comes into contact with aluminum and water. The product weakens aluminum.

Substances to be avoided: Chlorine, bromine, metals, light metal alloys, aluminum (amalgam formation).

Hazardous decomposition products: None, if the product is used as directed

Other Information: The product has an alloying effect on metal surfaces such as copper, tin, lead, zinc, gold and silver jewelry, above all, if such surfaces are pure and free from oxides. If necessary, the product should be tested under the specific conditions of application to determine any reactions with materials and chemical substances.

11. Toxicology information

Assessment based on raw materials:

Exposure quantities are significantly below acute toxicity limits even when complete absorption is assumed.

Experience gained in practice: Effects on humans

No adverse health effect has been observed or reported.

Inhalation: The extremely low vapor pressure of Quicksilver makes absorption through inhalation negligible.

Ingestion: No adverse health effect has been observed or reported. Quicksilver passes through the digestive system without effect.

Skin: Skin oils may be reduced through continuous contact.

Eyes: Direct contact with the surface of the eye may cause irritation. Eye protection is recommended when potential direct eye contact is possible.

12. Ecological information

General instructions:

The product is not miscible with water and shows a tendency toward sedimentation.

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13. Disposal considerations*Disposal instructions:* Dispose in accordance with local regulations.*Additional information:* Cleaning agent recommended: 2% hydrochloric acid heated to approx. 60°C. Or, use surfactant (detergent) /water solution for hard surfaces; detergent and warm water for fabric.**14. Transport information***Road/Rail:*

1760 Corrosive liquid n.o.s. (Gallium solution)

Cl. 8, 66 c ADR/RID

As of: September 1996

Air transport: LATA

Corrosive liquid, n.o.s. (Gallium solution)

Class 8, UN 1760

Packing group III

37th ed., 1 Jan. 1996*Marine transport:*

Corrosive liquid, n.o.s. (Gallium solution)

UN 1760, page 8147, III

EmS 8-12, MFAG 760

As of: September 1996

15. Regulatory information*Safety, health and environmental regulations/legislation specific for the substance or mixture**International Inventories*

X = listed, Europe (EINECS/ELINCS/NLP), U.S.A. (TSCA), Canada (DSL/NDSL), Philippines (PICCS), China (IECSC), Japan (ENCS), Australia (AICS), Korea (ECL)

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	IECSC	AICS	KECL
Gallium	231-168-8	-		X	X	-	X	X	X	X	KE-17424
Indium	231-180-0	-		X	X	-	X	X	X	X	KE-20985

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

16. Other information*Issue date* 28/08/2017*Revision date* 17/05/2021*Version* 2*Disclaimer:* This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard worker and the environment.