

SAFETY DATA SHEET

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

CRUCIBLE RED

Revision Date 19.05.2014

Print Date 02.06.2014

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

1.1 Product identifier

Trade name : VISIONAIRE Lava

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Supplier:

TKB TRADING, LLC
1101 9th Avenue
Oakland, CA 94606, USA
Telephone: +1 510 451 9011

SECTION 2: Hazards identification

GHS Classification

Acute toxicity, Category 4, Oral, H302
Acute aquatic toxicity, Category 1, H400
Chronic aquatic toxicity, Category 2, H411

GHS-Labelling

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Symbol(s)



Signal word

Warning

Hazard statements

H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.

Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P330 Rinse mouth.
P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label

Identification
copper

CAS-No.
7440-50-8

SECTION 3: Composition/information on ingredients

Hazardous components

Chemical Name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
copper	7440-50-8 231-159-6	Acute Tox.;4;H302 Aquatic Acute;1;H400 Aquatic Chronic;2;H411	60 - 100

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For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	<p>Move out of dangerous area. Show this safety data sheet to the doctor in attendance.</p> <p>Move the victim to fresh air.</p> <p>Do not leave the victim unattended.</p>
If inhaled	<p>If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.</p>
In case of skin contact	<p>Wash off immediately with soap and plenty of water.</p>
In case of eye contact	<p>Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.</p>
If swallowed	<p>Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.</p>

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Risks	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

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Treatment

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Special powder against metal fire, Dry sand, ABC powder

Unsuitable extinguishing media Water, High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

Further information Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid dust formation.

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Avoid breathing dust.
Use personal protective equipment.
Evacuate personnel to safe areas.

6.2 Environmental precautions

Environmental precautions

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Keep in suitable, closed containers for disposal.

Use mechanical handling equipment.

Pick up and transfer to properly labelled containers.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid creating dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Avoid formation of respirable particles. Do not breathe vapours/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

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Hygiene measures	<p>Normal measures for preventive fire protection.</p> <p>When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.</p> <p>General industrial hygiene practice. Do not smoke. Wash hands before breaks and at the end of workday. Keep away from food and drink. Keep away from tobacco products.</p>
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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	<p>Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.</p> <p>Electrical installations / working materials must comply with the technological safety standards.</p> <p>Keep away from sources of ignition - No smoking. Do not store near combustible materials. Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.</p>
Further information on storage conditions	<p>Protect from humidity and water.</p>
Advice on common storage	<p>Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Do not store together with oxidizing and self-igniting products.</p>
Other data	<p>Keep in a dry place. No decomposition if stored and applied as directed.</p>
Dampness	<p>Keep in a dry, cool and well-ventilated place.</p>

7.3 Specific end use(s)

This information is not available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
copper	7440-50-8	AGW (Alveolate fraction)	1 mg/m ³	2009-02-16	DE TRGS 900
Further information		Commission for dangerous substances			
silicon dioxide	7631-86-9	AGW (Inhalable fraction)	4 mg/m ³	2011-04-12	DE TRGS 900
Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission). Colloidal amorphous silica, including pyrogenic silica and in wet processes manufactured silica (precipitated silica, silicagel). When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

8.2 Exposure controls

Personal protective equipment

Eye protection

Eye wash bottle with pure water

Safety glasses

Hand protection

Material

Leather

Remarks

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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Leather gloves

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

Recommended preventive skin protection

Skin and body protection

Dust impervious protective suit

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Anti-static and fire resistant protective clothing. EN 531; EN 533; EN 1149-1. Anti-static safety shoes.

Recommended preventive skin protection

Respiratory protection

Use suitable breathing protection if workplace concentration requires.

Respirator with a dust filter

P1 filter

Environmental exposure controls

General advice

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

Water

The product should not be allowed to enter drains, water courses or the soil.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	powder
Colour	copper
Odour	odourless
pH	no data available
Freezing point	no data available
Boiling point/boiling range	2 597 °C
Flash point	no data available
Bulk density	no data available
Flammability (solid, gas)	no data available
Auto-flammability	no data available
Upper explosion limit	no data available
Lower explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Miscibility with water	immiscible
Solubility in other solvents	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Thermal decomposition	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	no data available
Flow time	no data available

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9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions

No decomposition if stored and applied as directed.

Stable under recommended storage conditions., No hazards to be specially mentioned.

Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid

no data available

no data available

10.5 Incompatible materials

Materials to avoid

: no data available

10.6 Hazardous decomposition products

Hazardous decomposition products

: no data available

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Other information : no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Carcinogenicity

no data available

Toxicity to reproduction/fertility

no data available

Reprod.Tox./Development/Teratogenicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

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no data available

Aspiration toxicity

no data available

Further information

Product

no data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

copper (7440-50-8) :

M-Factor 10

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

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12.6 Other adverse effects

Product:

Additional ecological
information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life., Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging

Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR	3077
CN_DG	3077
TDG	3077
CFR	3077
IMDG	3077

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IATA 3077

14.2 Proper shipping name

ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper metal powder)
CN_DG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper metal powder)
TDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper metal powder)
CFR	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (Copper metal powder)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper metal powder)
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper metal powder)

14.3 Transport hazard class

ADR	9
CN_DG	9
TDG	9
CFR	9
IMDG	9
IATA	9

14.4 Packing group

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ADR

Packaging group	III
Classification Code	M7
Hazard identification No	90
Labels	9
Tunnel restriction code	(E)

CN_DG

Packaging group	III
Labels	9

TDG

Packaging group	III
Labels	9

CFR

Packaging group	III
Labels	9

IMDG

Packaging group	III
Labels	9
EmS Number	F-A, S-F

IATA

Packing instruction (cargo aircraft)	956
Packing instruction (passenger aircraft)	956
Packing instruction (LQ)	Y956
Packaging group	III
Labels	9

14.5 Environmental hazards

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IMDG

Marine pollutant

ADR

Environmentally hazardous

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

SECTION 15: Regulatory information

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

no data available

15.2 Chemical Safety Assessment

no data available

SECTION 16: Other information

Full text of H-Statements

H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the

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specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.