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SAFETY DATA SHEET GEO CIDE 191

Safety data sheet according to Reg. 29204 / 13.12.2014

1. Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance / mixture

Product Name : GEO CIDE 191
Chemical family : Liquid.

1.2 Identified uses of the substance / mixture and their non-recommended use

Industry : Industrial & for professional use only.

1.3 Safety Data Sheet supplier information

Producer/Supplier : GeoChemmm Toptan Kimyasal Ürünler Ticareti
Address : Orta Mah. Selanik Caddesi No:91/3 Efeler/AYDIN
E-mail : info@geochemm.com
Telephone : +90 (555) 694 15 34

1.4 Emergency telephone number

Emergency Phone : +90 (555) 694 15 34
National Poison Control phone : 114
Emergency telephone number : 112

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

According to SEA (28848);

Flamm.Liquid, Category 3;H226
Acute toxicity, Category 4; H302
Skin corrosion, Category 1B; H314
Eye irritation, Category 1; H318
Respiratory sensitisation, Category 1, H334
Acute aquatic toxicity, Category 1; H400
Chronic aquatic toxicity, Category 1; H410

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

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2.2. Label elements



Hazard symbols

Warning Word:

Danger

Hazard statements

- H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Harmful in contact with skin.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Precaution

- P261 Avoid breathing vapours.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/ protective clothing/eye protection/ face protection.

Response

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

Storage

P405 Store locked up

Disposal

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

2.3 Other Hazard

: Not special risks known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

: Mixture

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Material name	Classification	Value (%)
	SEA: RG.-11/12/2013 28848	
Gluteraldehyde	Acute toxicity, Category 3, H301 Acute toxicity, Category 2, H330 Skin corrosion, Category 1B, H314 Respiratory sensitisation, Category 1, H334 Skin sensitisation, Sub-category 1A, H317 Acute aquatic toxicity, Category 1, H400 Chronic aquatic toxicity, Category 2, H411 M-Factor: 1	< 20 %
Alcohol derivatives	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370	< 10 %

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

4. First Aid Measures

4.1 Description of first aid measures

General advice	: Keeps effected person away from heat, sparks and flames
Inhalation	: Move the exposed person to fresh air at once. Rinse nose and mouth with water. If respiratory problems artificial respiration/oxygen. Get medical attention immediately.
Skin contact	: Remove effected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention immediately.
Eye contact	: Make sure to remove any contact lenses from the eyes before rinsing. Promotly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Immediately transport to hospital or eye speialist.
Ingestion	: Never make an unconscious person vomit or drink fluids. Rinse mouth throughly. Promotly not effected person to drink large

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volumes of water to dilute the swallowed chemical. Do not induce vomiting. Get medical attention immediately.

4.2 Significant signs and effects seen acutely and later

Symptoms : No information available.

4.3 First signs for medical intervention and special treatment

Treatment : No information available.

5. Firefighting Measures

5.1 Fire extinguishers

Suitable Extinguishing Media : Carbon dioxide (CO₂), water spray, alcohol-resistant foam, dry chemical.
Unsuitable Extinguishing Media : No information.

5.2 Specific hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x)

5.3 Recommendations for fire fighting teams

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental measures

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and materials for preservation and cleaning

Wipe up with absorbent material (e.g. cloth, fleece).

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

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6.4 References to other sections

See section 1 for emergency contact information.

Refer to Section 8 for information on suitable personal protective equipment.

See Section 13 for additional information on disposal of wastes.

7. Handling and Storage

7.1 Precautions for safe handling

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8

7.2 Conditions for safe storage with incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Certain end-uses

Advice : No information

8. Exposure Controls / Personal Protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Respiratory protection : Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection : Impervious gloves

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Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin measures : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State : Liquid

Colour : Colourless

Odour : Characteristic

Threshold of odour : No information.

pH (20°C,1%solution) : >2,5

Melting/freezing point : No data available.

Initial boiling point and boiling range : No data available.

Flash point : No data available.

Evaporation rate : No information.

Flammability (solid,gas) : No data available.

Combustion time : No data available.

Combustion rate : No data available.

Upper/lower flammability or explosive limits : No data available.

Vapour pressure : No data.

Vapour density : No data.

Relative density : No data.

Density : 1.00 ± 0.05 g/cm³

Solubility : No data.

Solubility in water : No data available.

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Partition coefficient n-octanol-water : No data available.
Ignition temperature : No data.
Degradation temperature : No data.
Viscosity : No data.
Explosive properties : No data.
Oxidizing properties : No data.

9.2 Additional information

No data.

10. Stability and Reactivity

10.1 Reaction : No decomposition if used according to specifications.
10.2 Chemical stability : Stable under recommended storage conditions.
10.3 Hazardous reaction Probability : No data available.
10.4 Situations to avoid : Direct sunlight. High temperature. Incompatible materials. Open flame. Sparks. Overheating.
10.5 Substances to avoid : Strong alkalis and acids. Strong oxidising substances. Chemically active metals.
10.6 Harmful products : Carbon oxides, formaldehyde.
In the event of fire: see section 5

11. Toxicological Information

11.1 Information on toxic effects

Acute oral toxicity : No data available.
Skin irritation : Causes burns.
Eye irritation : Causes burns.
Sensitisation : No data available.
Germ cell mutagenicity : No data available.

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Repeated dose toxicity : No data available.

Aspiration hazard : No data available

12. Ecological Information

12.1 Toxicity

No data available

12.2 Permanence and degradability

Biodegradability Result: - Not readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in the earth

Soil /Water distribution (K_{oc}) No data

Mobility No data

12.5 Results of PBT and vPvB evaluation

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

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

13. Disposal Considerations

13.1 Waste treatment methods

Product

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated in adherence to official regulations.

Contaminated packaging

Dispose of as unused product.

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14. Transport Information

	ADR	IMDG	IATA
14.1 UN number	UN2920	UN2920	UN2920
14.2 UN proper shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	CORROSIVE LIQUID, FLAMMABLE, N.O.S.
14.3 Transport hazard class(es)	8 (3)	8 (3)	8 (3)
14.4 Packing group	II	II	II
14.5 Environmental hazards	No	Yes	No
14.6 Special precautions for user	Not applicable	Not applicable	Not applicable

14.7 MARPOL 73/78, Annexe II and : No data.

Bulk transport by IBC code

15. Regulatory Information

15.1 Safety, health and environmental legislation specific to substance or mixture

By-Law on Preparation Safety Data Sheets of Substances and Mixtures [13.12.2014- 29204 official gazette]

By-Law on Classification, Labelling and Packaging of Substances and Mixtures [R.G. 11/12/2013- 28848 – repeating]

By-Law on Transportation of Hazardous Substances by Highway [R.G. 24/10/2013-28801 official gazette]

15.2 Chemical Safety Assessment

Not applicable

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16. Other Information

Full text of H-Statements referred to under sections 2 and 3.

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

- Flam. Liq. 2, H225 : Flammable liquid, Category 2; H225
- Flamm.Liquid, Category 3;H226 : Flammable liquid, Category 3; H226
- Acute toxicity, Category 3, H301 : Acute Oral Toxicity, Category 3;H301
- Acute toxicity, Category 4; H302 : Acute Oral Toxicity, Category 4;H302
- Acute Tox. 3 (Dermal), H311 : Acute Dermal Toxicity, Category 3;H311
- Skin corrosion, Category 1B; H314 : Skin corrosion, Category 1B; H314
- Skin sensitisation,Category 1A, H317: Skin sensitisation,Category 1A, H317
- Eye irritation, Category 1; H318 : Eye irritation, Category 1; H318
- Acute toxicity, Category 2, H330 : Acute inhalation toxicity, Category 2, H330
- Acute Tox. 3 (Inhalation), H331 : Acute inhalation toxicity, Category 3, H331
- Respiratory sensitisation, Category 1, H334
- STOT SE 1, H370 : Specific Target Organ Toxicity,Single Exposure, Category 1;H370
- Acute aquatic toxicity, Category 1; H400
- Chronic aquatic toxicity, Category 1; H410
- Chronic aquatic toxicity, Category 2, H411

Other Information

These data sheet compliments the technical data sheet but doesn't replace it. The information and recommendations given are based on the best information that GeoChemmm Toptan Kimyasal

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Ürünler Ticareti have and are believed accurate and reliable at the date publication. This safety data sheet should not be considered exhaustive and on no account does it exempt the user from ensuring that any property rights, existing laws and regulating are observed.

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