

物質安全資料表(MSDS)

1 · Identification Of The Substance / Preparation And Company

- 1.1 Product Information: Alkaline stable strong penetrating agent KKF
- 1.2 Another name: -
- 1.3 Recommend usage:
- 1.4 Information of Manufacturer or Supplier :
GRACESS INTERNATIONAL CO., LTD. /
29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan /+886-2-2673-3998
- 1.5 Emergency Phone / Fax: +886-2-2673-3998 /+886-2-2673-3995

2. Hazards Identification data

- 2.1 Hazard classification: —
- 2.2 Label: -
Symbol: -
Caution: -
Hazard alarm: -
- 2.3 Other hazard: -

3. Identification data

Mixing:

English name: Alkaline stable strong penetrating agent		
Materials name	CAS Number	%
—	—	—

4. First aid measure

- 4.1 First aid measure:
Inhalation: move to fresh air and get medical attention if symptom is continuous.
Skin: Flush with water and soap.
Eyes: Flush eyes with plenty of water and get medical attention.
Ingestion: get medical attention.
- 4.2 The most harmful effect:-
- 4.3 Protection of first-aid person: -
- 4.4 Suggestion to doctors: -
- 4.5 Please refer to No. 11 for health symptoms.

5. Fire fighting measure

- 5.1 Suitable extinguishing media: 1.CO2 2. chemical dry powder
- 5.2 Special hazards from fire fight: -
- 5.3 Special fire measure:-
- 5.4 Special fire measure of fire fighter:-

6. Accidental release measure

- 6.1 Personal precaution:
Prohibit unrelated personnel from entering.
Collect the leakage and avoid contaminating the environment.
Prevent the leakage from permeating into sewer and groundwater.
- 6.2 Environmental precautions: Prevent the leakage from permeating into sewer and groundwater.
- 6.3 Cleaning method: Use sands, active carbon, or other inert material to absorb and avoid flush into sewer.

7. Handling and storage

- 7.1 Handling: Keep from breakage, moisture and sunlight.
- 7.2 Storage: Keep only in the original container in a dry, cool and ventilated place away from: ignition sources, oxidizing agents, alkalis ,acids and sunlight.

8. Exposure controls/personal protection

- 8.1 Engineering controls: Emergency safety showers should be available in the immediate vicinity of any potential exposure. Use only explosion-proof equipment.
- 8.2 controls parameter:
PC-TWA/PC-STEL/PC-MAC: -
- 8.3 Personal protective equipment:
Hand protection: Wear coated protective gloves.
Eye protection: safety goggle
Skin and body protection: wear appropriate safety apparatus.
- 8.4 Health measure: avoid long term skin contact

9. Physical and chemical properties

- | | | | |
|------------------------------|----------------------|---------------------|------------------|
| • Appearance: | viscous liquid | • Solid content: | 58-61% |
| • Color: | yellow to dark brown | • PH value: | 6.0-7.5 |
| • Odor: | - | • Melting point: | - |
| • Ionic: | anionic/ non ionic | • Boiling point: | - |
| • Flammability (solid、 gas) | — | • Explosion limit: | - |
| • Decomposition temperature: | - | • Vapor density: | - |
| • Autoignition temperature: | - | • Solubility: | soluble in water |
| • Vapor Pressure | — | • Chemical Reaction | — |
| • Proportion | — | • Evaporation Rate | — |
| • log Kow | — | • Flash Point(°C) | — |

10. Stability and activity

- 10.1 Stability: stable
- 10.2 Hazard polymerization:-
- 10.3 Conditions to avoid: moisture and sunlight

10.4 Incompatible materials: ionic materials

10.5 Hazard decomposition:-

11. Toxicological information

11.1 Acute Toxicity: —

11.2 Sensitization : —

11.3 Mutagenicity : —

11.4 Aberration : —

11.5 Carcinogenicity : —

11.6 Chronic or long term toxicity : —

12. Ecological information

12.1 Ecological toxicity: -

12.2 Biodegradability: —

12.3 Accumulation: -

12.4 Other effect: -

13. Disposal considerations

13.1 Disposal method: Dispose the waste under related regulation of local authorities.

13.2 Note: do not dispose the waste into the sewer and soil.

14. Transport Information

14.1 Transport Hazard Class: general chemicals

14.2 Packing group: —

14.3 Safety Label: —

14.4 Package classification: -

14.5 Marine pollutant (yes or no): -

14.6 Special transport way and precaution:-

15. Regulation

15.1 Workplace safe use of chemicals rule (1996) No.423: applicable

15.2 Environmental Protection Law: applicable

16. Other

GRACESS INTERNATIONAL CO., LTD.

Form Maker 29F-3, No.86, Sec.1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan

/+886-2-2673-3998

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LIMITED WARRANTY INFORMATION – PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
- The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights or patents and, if necessary, clarifying the position.
- Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.
- We disclaim any responsibility for any dispute regarding product quality between agent and end user.
- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.