



Production of KClO_3

Student
Group 001

Outline:

- Introduction
- Safety in producing of $KClO_3$
- Resource-saving in production of $KClO_3$
- Waste disposal of $KClO_3$
- Innovations in using of $KClO_3$
- Conclusion

Introduction:



□ *Chemical Name:* Potassium chlorate moisten

□ *Synonym & Trade Name:*

Potassium salt chlornovatic acid,
Bertolle salt

□ *Empirical Formula:* KClO_3

□ *Molecular Mass:* 122.55

□ *Appearance:*

Crystals of white color tinged
with yellow

Safety in production of KClO_3

*Oxidizing
Flammable
Explosive*

*Lab coat
Gloves*

No open flames

Resource-saving

- Increasing the strength of the current in the electrolysis method Berthollet
- Cleaning KOH in the chlorination
- Using the saturated sodium chlorate in exchange reactions

Waste disposal of KClO_3

- Use it as recyclable material
- In manufacture of KCl , O_2 , ClO_2
- In pyrotechnics

Innovations in using of KClO_3

Medicine:

**Antiseptic for the
throat**

Paint industry:

**Highly
heat-resistant
dyes**

Conclusion:

Recyclable

Medicine

**Paint
industry**





Thanks for
your attention