

BOLIDEN

Safety bulletin

This Safety Bulletin provides information about the operations of **Boliden Kevitsa Mining Oy**'s Kevitsa mine in Sodankylä and instructs actions in large scale risk scenarios.

The Safety Bulletin has been prepared in collaboration with the Finnish Safety and Chemicals Agency (Tukes) and the Rescue Department so it meets the requirements of both **Section 31 of Act 390** and **Section 21 of Government Decree 685/2015**.



KEVITSA's OPERATIONS

Boliden Kevitsa Mining Oy's mine is located about 40 km north of Sodankylä town, near the village of Petkula. The distance from the mine to the Swedish border is about 140 kilometers and to the Russian border about 100 kilometers, so the mine is not expected to cause a major accident with cross-border effects according to the UN Economic Commission for Europe.

The number of personnel at Kevitsa mine was 549 employees at the end of 2024. In addition, about 300 employees work on the mine site through various partners. Overall, Kevitsa mine provides livelihood directly or indirectly to over 1000 employees.

Operations at Kevitsa mine:

- Mining of ore and waste rock
- Loading mined ore into trucks and transporting to the primary crusher
- Transporting formed waste rock by trucks to the waste rock area
- Crushing ore and transferring it via conveyors through screening to intermediate storage
- Separating copper and nickel concentrate by flotation using chemicals and air
- Filtering concentrate and transporting it for further processing
- Storing tailings in tailings storage facility
- Supporting functions such as heating plant, fuel distribution station, warehouses, small machine maintenance workshop, and mobile fleet maintenance.

A MAJOR ACCIDENT PREVENTATION POLICY DOCUMENT

Boliden Kevitsa Mining Oy is required to provide a **Major Accident Prevention Policy Document**.

In the Major Accident Prevention Policy Document, the operator demonstrates

- implemented principles to prevent large-scale risk scenarios and other accidents, and the safety and process safety management systems to implement the principles
- identified the possibilities of large-scale risk scenarios related to the operations and taken necessary measures to avoid accidents and limit the consequences
- considered sufficient safety and reliability levels in design, construction, operation, and maintenance
- prepared an internal rescue plan and provided information for the external rescue plan and land use planning around the production facility.

Boliden Kevitsa Mining Oy has prepared the Major Accident Prevention Policy Document for Kevitsa mine in accordance with the Government Decree 685/2015 and the Act 390/2005.

Additionally, the document covers the requirements of **the Government Decree 102/2015** and it is based on the Finnish Safety and Chemicals Agency's guideline **Dnro: Tukes 11458/00.00.02/2024 "Toimintaperiaateasiakirja"**.

The Finnish Safety and Chemicals Agency (Tukes) conducts regular inspections for **Boliden Kevitsa Mining Oy** in accordance with **the Act 390/2005**, from which an inspection report is prepared. Tukes notifies about the inspection and sends the inspection report to the Regional State Administrative Agency (AVI), Centre for Economic Development, Transport and the Environment (AVI), and the rescue authorities, and if necessary, to the municipal environmental authority.








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CHEMICALS

Boliden Kevitsa Mining Oy's Kevitsa mine stores, handles, and transports flammable, harmful, toxic chemicals and gases, which are also dangerous to the environment.

The table below presents the substances used at Kevitsa mine that can pose a risk of major accidents in case of a fire.

Chemical	Properties	Hazardous properties of substances
Kemix	Kemix is a mining explosive. The substance is odorless and white-yellowish or gray in color. Its form is a mass resembling petroleum jelly. Kemix is not classified as corrosive or irritating to the skin, but it can strongly irritate the eyes. Kemix contains substances that are water-soluble and can spread in the aquatic environment. Kemix is not flammable, and its flash point is over 200°C.	 Explosive  Health hazard
Riosplit	Riosplit is a mining explosive. The substance is a paste and is odorless and white-gray in color. Riosplit causes severe respiratory irritation and is corrosive when in contact with skin, eyes, or the digestive tract. Its use involves the risk of severe eye damage and loss of vision. Riosplit contains substances that are water-soluble and can spread in the aquatic environment. When the product explodes or burns, toxic or hazardous gases are produced, such as nitrogen oxides (NO, NO ₂), carbon monoxide (CO), and carbon dioxide (CO ₂). Inhaling NO _x gas can cause pulmonary edema. Symptoms may appear with a delay.	 Explosive  Oxidising  Corrosive

The hazardous properties of substances are in accordance with the EU Regulation (EC) No 1272/2008 (CLP Regulation).

ACCIDENTS AND EMERGENCIES

Boliden Kevitsa Mining Oy's Kevitsa mine is designed and built in compliance with the applicable laws and regulations and the requirements set by the authorities. The risks of accidents related to the operations and preparedness for them have been considered already in the design phase. The safe use of the equipment is ensured through statutory inspections and regular maintenance and inspection checks.

The goal is continuous improvement of safety.

Accidents and emergencies are also prepared by maintaining the personnel's readiness to prevent and identify dangerous situations. Additionally, Kevitsa has its own trained **rescue team**, whose efficiency is ensured through training and regular drills.

To prevent accidents and protect personnel, the environment, and property, an internal and external rescue plan has been prepared for Kevitsa mine in collaboration with the Rescue Department. Emergency situations are regularly practiced in cooperation with the Rescue Department.



ACCIDENTS AND EMERGENCIES

The identified large scale risk scenarios at **Boliden Kevitsa Mining Oy's** Kevitsa mine are

- Explosion of the matrix tank, chemical truck, matrix transport tank, or chemical storage due to fire
- Fire in the chemical storage
- Tailings storage facility rupture.

In case of a danger situation threatening the population, Kevitsa mine personnel will make an emergency call to the Emergency Response Centre, which will relay the alert to the competent authorities.

The rescue authorities have leadership responsibility for the situation as soon as they receive the alert from the Emergency Response Centre. Residents in the vicinity are promptly informed about the danger situation. In danger and accident situations, the instructions and orders given by the rescue authorities must be strictly followed.





Contact information

Questions and requests for additional information:

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The Safety Bulletin is available in Finnish and English both at **Boliden Kevitsa Mining Oy's** main gate and on Boliden's Internet pages.

The Finnish Safety and Chemicals Agency's (Tukes) inspection reports are available upon request.

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