

MATERIAL SAFETY DATA SHEET

in accordance with Directive 2001/58/EC



Issued: 04/2007

Issue 2

1. Product and Company Identification

Product: BOHLER N360

Manufacturer: BÖHLER EDELSTAHL GmbH
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2. Composition / Component information

Alloys in solid condition.

Chemical composition	C	Si	Mn	Cr	Mo	V	N
(Average values in %):	0,32	0,55	0,45	15,0	1,0	0,045	0,4
Remainder:	Fe and trace elements.						

3. Hazards identification

No risks to persons or Environment

No hazard classification according to Austrian Chemical Regulations.

4. First aid measures

Ingestion: If swallowed, seek medical advice.
Inhalation: not applicable (no inhalation possible)
Eyes: not applicable
Skin: not applicable
Wounds: Clean carefully and remove all remaining alloy particles.

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5. Fire fighting measures

not applicable (material is not flammable)

6. Accidental release measures

Person related precautions: not applicable

Environmental precautions: not applicable

Cleaning/absorption

procedures: not applicable

7. Handling and storage

Handling: No protective measures required in the delivered condition.
Perform dust creating processes only with preventive measures.
(Personal/ Environmental protection.)

Storage: No protective measures required in the delivered condition.

8. Exposure controls / Personal protection

During dust creating processes adequate ventilation should be provided.

Respiratory protection: Respirators (if limit is exceeded.)

Hand protection: Avoid repeated and continuous skin contact,
use suitable gloves or skin protection, to avoid sensitization.

Eye protection: not applicable. Use safety goggles when performing grinding
operations.

Personal hygiene: Wash skin thoroughly.

9. Physical and chemical properties

Shape: solid

Color: metallic

Density at 20°C: 7,7 g/cm³

Smell: odourless

Explosivity: not applicable

Solubility in water: insoluble

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10. Stability and reactivity

Thermal decomposition: No decomposition at specified use.

Hazardous reactions: On contact with acids, hydrogen can be generated and form explosive gas mixtures.

During welding operations and also during treatment with oxidizing acids or oxidizing salt melts, hexavalent Chromium can be generated. Hexavalent Chromium has the classification Carc.Cat.2; R49, R43, N; R50-53.

Hazardous decomposition products: Not applicable.

11. Toxicological information

Acute hazards

Ingestion: Vomiting and diarrhoea, digestive tract irritation.

Inhalation: Breathable dusts can cause respiratory irritation.

Skin contact: No toxic hazard.

Chronic hazards

No chronic hazards known.

12. Ecological information

No special measurements required.

13. Disposal considerations

Alloy residues normally should be recycled.

14. Transport information

ADR/RID and

GGVS/GGVE : No dangerous goods in the sense of the mentioned regulations.

IMDG/GGVSee: No dangerous goods in the sense of the mentioned regulations.

ICAO/TI und IATA-DRG: No dangerous goods in the sense of the mentioned regulations.

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15. Regulatory information

Classification in accordance with EU- regulations:

Not classified as hazardous.

Identification: No identification required.

No obligation for identification exists for these alloys, because there is no acute health hazard for humans in the delivered condition and at specified use.

16. Other information

The information and data in this safety data sheet are based upon our current knowledge. They shall not be binding and shall, in case of contract conclusion, not be regarded as warranted.

These data shall merely constitute average values that become binding only if explicitly specified in a contract concluded with us.

The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

Our company has certificates according to ISO 9001 and ISO 14001.
