

SAFETY DATA SHEET (SDS)

SECTION 1: Identification of the Substance/mixture and of the Company/undertaking

Product name: INSTA BLACK

Product code: Not available

Formula: Not applicable

CAS No.: Not applicable

Intended use: Industrial surface treatment / electroplating application

Manufacturer/Supplier:

Zees Knife supplies

SECTION 2: Hazards Identification

Classification (GHS):

- Skin Irritation – Category 2
- Eye Irritation – Category 2
- Acute Toxicity (Inhalation) – Category 4
- Harmful if swallowed

Label Elements (GHS):

Signal word: WARNING

Pictograms:



Hazard Statements:

- **H302:** Harmful if swallowed.
- **H315:** Causes skin irritation.
- **H319:** Causes serious eye irritation.
- **H332:** Harmful if inhaled.

Precautionary Statements:

- **P264:** Wash thoroughly after handling.
- **P270:** Do not eat, drink or smoke when using this product.
- **P280:** Wear protective gloves/protective clothing/eye protection.
- **P261:** Avoid breathing mist/vapours.
- **P301+P330+P331:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- **P302+P352:** IF ON SKIN: Wash with plenty of water.
- **P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present.
- **P501:** Dispose of contents/container according to local regulations.

SECTION 3: Composition/Information on Ingredients

Substance Name	CAS No.	% w/w	Classification (GHS)
Sodium Phosphate	7601-54-9	10%	Irritant
Copper Carbonate	12069-69-1	1%	Harmful if swallowed
Copper Sulphate	7758-98-7	3%	Harmful if swallowed, Eye irritant, Aquatic hazard

Substance Name	CAS No.	% w/w	Classification (GHS)
Demineralised Water	7732-18-5	Balance	Not classified

SECTION 4: First Aid Measures

Inhalation:

Remove affected person to fresh air. If breathing difficulties occur, seek medical attention.

Skin contact:

Wash affected skin immediately with plenty of water. Remove contaminated clothing. Seek medical attention if irritation persists.

Eye contact:

Flush eyes with clean water for at least 15 minutes. Seek medical attention if irritation continues.

Ingestion:

Do not give anything by mouth to an unconscious person. Rinse mouth and seek immediate medical attention.

Symptoms:

Eye irritation, skin irritation, respiratory irritation, nausea and discomfort.

SECTION 5: Firefighting Measures

Suitable extinguishing media:

Water spray, water fog, carbon dioxide or foam.

Flammability:

Product is not flammable.

Special hazards:

Thermal decomposition may produce irritating fumes.

Protective equipment:

Wear suitable protective clothing and self-contained breathing apparatus where required.

SECTION 6: Accidental Release Measures

Personal precautions:

Avoid contact with skin, eyes and clothing. Avoid breathing mist or vapours. Wear appropriate PPE.

Environmental precautions:

Prevent large quantities from entering drains and waterways.

Spill cleanup:

Contain spill and absorb with suitable inert material. Collect into suitable containers for disposal. Flush area with water after cleanup.

SECTION 7: Handling and Storage

Handling:

Avoid contact with skin and eyes. Wash thoroughly after handling. Ensure emergency eyewash and safety shower are available.

Storage:

Store in a cool, dry place in tightly closed containers. Recommended storage temperature: 25–35°C. Protect from contamination.

Incompatible materials:

Avoid contact with strong acids and oxidising agents.

SECTION 8: Exposure Controls/Personal Protection**Engineering controls:**

Use local exhaust ventilation where mist or vapours may occur.

Respiratory protection:

Use an approved respirator where ventilation is insufficient.

Hand protection:

Use chemical-resistant gloves (neoprene or natural rubber).

Eye protection:

Chemical safety goggles or face shield.

Body protection:

Chemical-resistant protective clothing, coveralls and safety footwear.

Hygienic measures:

Wash hands after handling. Remove contaminated clothing before reuse.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Liquid
Colour	Sky blue
Odour	Characteristic odour
Physical state	Liquid at 30°C
Density @ 20°C	1.050 – 1.070
Solubility	Fully soluble in water
pH	0.5 – 1.5
Boiling point	Approx. 100°C
Flammability	Non-flammable

SECTION 10: Stability and Reactivity**Stability:**

Stable under normal storage and handling conditions.

Conditions to avoid:

Extreme temperatures and contamination.

Materials to avoid:

Acids and oxidising agents.

Hazardous decomposition products:

None expected under normal conditions.

Hazardous polymerisation:

Will not occur.

SECTION 11: Toxicological Information**Routes of exposure:**

Inhalation, ingestion, skin and eye contact.

Acute effects:

- May cause irritation to skin, eyes and respiratory system.

- Harmful if swallowed or inhaled.

Carcinogenicity:

Not classified as carcinogenic.

Sensitisation:

No known sensitising effects.

Reproductive toxicity:

No reproductive toxicity expected under normal use conditions.

SECTION 12: Ecological Information**Environmental effects:**

Product components are considered stable under normal conditions.

Aquatic effects:

No significant aquatic toxicity expected at normal handling conditions.

Persistence and degradability:

Components are expected to be biodegradable.

Mobility:

No significant mobility hazard expected.

Prevent uncontrolled discharge into the environment.

SECTION 13: Disposal Considerations**Product disposal:**

Dispose of according to local, regional and national regulations.

Packaging disposal:

Wash contaminated containers thoroughly and dispose of according to applicable regulations.

Do not discharge directly into drains.

SECTION 14: Transport Information

Mode	UN No.	Proper Shipping Name	Class	Packing Group
ADR/RID	Not classified	Not regulated as dangerous goods	-	-
IMDG	Not classified	Not regulated as dangerous goods	-	-
IATA	Not classified	Not regulated as dangerous goods	-	-

Additional information:

Product is not classified as dangerous goods under applicable transport regulations.

SECTION 15: Regulatory Information**Applicable regulations:**

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
- Applicable chemical handling and workplace safety regulations.

Safety requirements:

Follow standard chemical handling precautions.

SECTION 16: Other Information**Information sources:**

Manufacturer safety data information and GHS guidelines.

Training advice:

Personnel handling this product should receive appropriate training regarding chemical handling, PPE requirements and emergency procedures.

Disclaimer:

The information provided is believed to be correct and represents the best available knowledge at the time of publication. No guarantee is made regarding its completeness or suitability for specific applications. Users must assess the information according to their own working conditions and requirements.
