



SAFETY DATA SHEET

NAME OF PRODUCT: STAINLESS STEEL IMPRESSION TRAYS

FILE NO.: SDS307

SDS DATE: 11/21/2014

SECTION 1: IDENTIFICATION

PRODUCT NAME: STAINLESS STEEL IMPRESSION TRAYS
PRODUCT CODES: 0921180, 0921186, 0921239, 0921307, 0921335, 0921337, 0921338, 0921339, 0921340, 0921341, 0921342, 0921343, 0921344, 0921431, 0921432, 0921433, 0921434, 0921435, 0921436, 0921437, 0921438, 0921440, 0921441, 0921442, 0921443, 0921444, 0921445, 0921446, 0921447, 0921448, 0921449, 0921450, 0921451, 0921452, 0921453, 0921454, 0921455, 0921456, 0921475, 0921476, 0921477, 0921478, 0921479, 0921492, 0921493, 0921494, 0921495, 0921654, 0921663, 0921664, 0921665, 0921666, 0921667, 0921668, 0921718, 0921719, 0921720, 0921721, 0921722, 0921723, 0921724, 0921725, 0921726, 0921727, 0921866, 0921868, 0921872, 0921873, 0921874, 0921875, 0921876, 0921877, 0921878, 0921879
IDENTIFIED USES: Dentistry
USES ADVISED AGAINST: Non-dental use
MANUFACTURER: Harry J. Bosworth Company
ADDRESS: 7227 North Hamlin Avenue, Skokie, Illinois 60076-3999, USA
TELEPHONE: 847-679-3400
FAX: 847-679-2080
EMAIL: hjbinfo@bosworth.com
EMERGENCY PHONE: 800-535-5053 (US and Canada)
352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Stainless Steel is considered an article and not hazardous in its solid form.
LABELING: FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.
PICTOGRAM: None
SIGNAL WORD: None
HAZARD STATEMENTS: None
PRECAUTIONARY STATEMENTS: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Iron	7439-89-6	60-80	N/E	N/E	N/A
Chromium	7440-47-3	18-20	1 mg/m ³	0.5 mg/m ³	N/A
Nickel	7440-02-0	8-12	1 mg/m ³	1.5 mg/m ³	Skin Sens. 1; Carc. 2; STOT RE 1; Aquatic Acute 3; Aquatic Chronic 3; H317, H351, H372, H412
Manganese	7439-96-5	0-2	1 mg/m ³	0.2 mg/m ³	Aquatic Acute 3; Aquatic Chronic 3; H412

For full text of H-statements mentioned in this section, see section 16.

SECTION 4: FIRST-AID MEASURES

INHALATION: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
SKIN: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
EYE: Flush eyes with water for 15 minutes as a precaution. Get medical attention if irritation develops and persists.
INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of iron, chromium, nickel and manganese.
SPECIAL HAZARDS: No further relevant information available.
ADVICE FOR FIREFIGHTERS: Wear self contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



SAFETY DATA SHEET

NAME OF PRODUCT: STAINLESS STEEL IMPRESSION TRAYS

CONTAINMENT AND CLEANUP:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal according to official regulations.

FILE NO.: SDS307

SDS DATE: 11/21/2014

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from foodstuffs, beverages and animal feed.

CONDITIONS FOR SAFE STORAGE:

Store only in the original package. Keep container tightly closed in a dry and well-ventilated place. Protect from heat and direct sunlight. Store away from food and beverages.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Handle in accordance with good industrial hygiene and safety practice. Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source. Provide eyewash and safety shower if contact or splash hazard exists. Wash hands before breaks and at the end of work.

EYE/FACE PROTECTION:

Safety glasses.

SKIN PROTECTION:

Glove material impermeable and resistant to the product.

BODY PROTECTION:

Protective work clothing.

RESPIRATORY PROTECTION:

NIOSH (US) or CEN (EU) approved respirators and components.

ENVIRONMENTAL EXPOSURE:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/COLOR:

Silver, metallic solid

ODOR:

None

MELTING POINT:

2550 – 2650°F (1400 – 1455°C)

RELATIVE DENSITY (H₂O=1.0):

8 g/cm³

WATER SOLUBILITY:

Insoluble

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under recommended storage conditions.

HAZARDOUS REACTIONS:

No further relevant information available.

CONDITIONS TO AVOID:

No further relevant information available.

INCOMPATIBLE MATERIALS:

Strong acids, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of iron, chromium, nickel and manganese.

SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS:

EYES: Under normal conditions of use not expected to present a significant hazard.

SKIN: Under normal conditions of use not expected to present a significant hazard. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

INGESTION: May be harmful if swallowed.

INHALATION: Under normal conditions of use not expected to present a significant hazard.

SKIN SENSITIZATION:

May cause allergic skin reaction.

CARCINOGENICITY:

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or possible carcinogen by OSHA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: Nickel is identified as reasonably anticipated to be a human carcinogen by NTP.

IARC: Nickel is identified as a possible human carcinogen by IARC. Chromium is identified as not classifiable as to its carcinogenicity to humans by IARC.

SECTION 12: ECOLOGICAL INFORMATION



SAFETY DATA SHEET

NAME OF PRODUCT: STAINLESS STEEL IMPRESSION TRAYS

FILE NO.: SDS307

SDS DATE: 11/21/2014

ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. May cause long lasting harmful effects to aquatic life. Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT: Offer surplus and non-recyclable solutions to a licensed disposal company. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

CONTAMINATED PACKAGING: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: N/A
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
PACKING GROUP: N/A
LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: This product is an FDA regulated device and not subject to TSCA regulations.

CERCLA: This product is an FDA regulated device and not subject to reporting requirements. There may be specific reporting requirements at the local, regional, or state level.

SARA 313 TOXIC CHEMICALS: The following components are subject to reporting levels established by SARA Title III, Section 313 (40 CFR 372): *Chromium, CAS NO. 7440-47-3; Nickel, CAS NO. 7440-02-0; Manganese, CAS NO. 7439-96-5.*

SARA 311/312 HAZARDS: This product is an FDA regulated device and not subject to reporting requirements.

US STATE REGULATIONS

CALIFORNIA PROPOSITION 65: This product may contain a chemical known to the State of California to cause cancer and/or reproductive toxicity.

INTERNATIONAL REGULATIONS

CANADIAN ENVIRONMENTAL PROTECTION ACT: This product is a medical device and not subject to chemical notification requirements.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS): This product is a medical device and not subject to chemical notification requirements.

SECTION 16: OTHER INFORMATION

FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Carc.	Carcinogenicity
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity – repeated exposure

NFPA RATING

Health Hazard	0
Fire Hazard	0
Reactivity Hazard	0

PREPARED BY: SS

PAGE 3 OF 4



SAFETY DATA SHEET

FILE NO.: SDS307

NAME OF PRODUCT: STAINLESS STEEL IMPRESSION TRAYS

SDS DATE: 11/21/2014

PREPARATION INFORMATION: This SDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product.

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth Company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.