

MATERIAL SAFETY DATA SHEET

NAME OF MANUFACTURER / SUPPLIER

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DATE OF ISSUE

28.03.01

1 SUBSTANCE / PRODUCT IDENTIFICATION

PRODUCT NAME

BORAX JEWELLERS FLUX CONES

2 COMPOSITION INFORMATION

PRODUCT CHEMICAL FAMILY

Orthoboric acids. Sodium borates.

3 HAZARDS IDENTIFICATION

RISK PHRASES

R36/38, irritating to eyes and skin in solution form only.
Ingestion of excessive quantities may be harmful.
Large amounts can be harmful to plants and other species.

4 FIRST AID MEASURES

INGESTION

Not Applicable

EYES

Flush with water for at least 15 minutes. Seek medical attention if eye irritation develops or persists.

SKIN

Wash with soap and water and apply skin reconditioning cream. Seek medical attention if irritation develops. Launder contaminated clothing.

INHALATION

Not Applicable.

ADDITIONAL INFORMATION

Note to physician: treat symptomatically.

5 FIRE FIGHTING MEASURES

FLASH POINT (TYPICAL)

>280°C (PMCO)

PRODUCTS OF COMBUSTION

Mainly oxides of carbon and water vapour.

EXTINGUISHING MEDIA

Carbon dioxide, dry chemical or foam. Water can be used to cool and protect exposed material.

FIRE FIGHTING PROCEDURES

The wearing of self-contained breathing apparatus is recommended.

UNUSUAL FIRE & EXPLOSIVE HAZARDS

None

6 ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES Not Applicable.

7 HANDLING AND STORAGE

HANDLING Wash thoroughly after handling.

STORAGE Suitable storage materials are:- most common metals, polyethylene, glass.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS (O.E.L.) None assigned.

VENTILATION PROCEDURES Not Applicable.

HAND PROTECTION Use gloves when handling. Barrier creams may be beneficial.

EYE PROTECTION Not Applicable.

SKIN PROTECTION Lightweight overalls & Boots

9 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White crystalline cone
ODOUR	Bland
SPECIFIC GRAVITY @ 15.5°C	1.25 – 1.35
pH @1% IN DISTILLED WATER	9.8 – 10.0
TOTAL ALKALINITY (AS NaOH)	5 – 6 %
BOILING POINT	>480°C
FREEZING POINT	N/A
MISCIBILITY WITH WATER	Complete to form a true solution.
MISCIBILITY WITH SOLVENTS	Not miscible.

It is the policy of Palmer Metals Ltd to continually improve the performance of their product range and therefore reserve the right to change their technical specifications without notice.

10 STABILITY AND REACTIVITY

STABILITY Material is normally stable at moderately elevated temperatures and pressures
INCOMPATIBILITY Strong acids.

11 TOXICOLOGICAL INFORMATION

EYE IRRITATION	Can irritate eyes.
SKIN IRRITATION	Can irritate skin. Prolonged or repeated contact may cause dermatitis.
RESPIRATORY IRRITATION	N/A
SUB-ACUTE/CHRONIC TOXICITY	There are no reports of adverse long-term effects following repeated exposure.

12 ECOLOGICAL INFORMATION

WGK CLASSIFICATION	Preliminary WGK (self classification) = 2
MOBILITY	This product is involatile and water-soluble.
DEGRADABILITY	This product is not readily biodegradable.
BIOACCUMULATION	This product, as supplied is not expected to bio accumulate.
ECOTOXITY	This product, as supplied, is not expected to be hazardous to aquatic species.

13 DISPOSAL CONSIDERATION

WASTE DISPOSAL	Material if discarded is not expected to be a characteristic hazardous waste. Disposal should be in accordance with local regulations.
CONTAINER DISPOSAL	Do not incinerate closed containers

14 TRANSPORT INFORMATION

UN NUMBER	Not applicable	IMDG	Not applicable
UN CLASSIFICATION	Not classified	ICAO/IATA Class	Not classified
PACKAGING GROUP	Not applicable		
UK 'PG' REGULATIONS	This product is not classified as being hazardous for transportation.		
TARIFF CODE	3403 1999 00		

15 REGULATORY INFORMATION

LABEL NAME	Borax Jewellers Cone
RISK PHRASES	No risk or safety phrases stipulated
SAFETY PHRASES	do
EC DIRECTIVES	Environmental Protection Act 1990. Control of Hazardous Substances to Health Regulations (COSHH) 1988 Chemicals (Hazard Information and Packaging) Regulations.

16 OTHER INFORMATION

PRODUCT GUIDANCE	The data and advice given apply to the product as sold and for the stated application only. Use of the product for other applications not stated may give rise to risks not mentioned in this document. It is not recommended for other applications without seeking advice.
HEALTH & SAFETY GUIDANCE	If the product is for supply from a third party for use at work, it is your duty to take all necessary steps to ensure any person handling or using it is provided with the information in this document. If you are an employer it is your duty to familiarise your employees and others who may come into contact with the product, with the hazards described and any precautions that may be necessary in use, as required by the HSW Act, COSHH, Management of Health and Safety at work regulations or other health and safety legislations.
SOURCES OF KEY DATA	Manufacturers safety data sheets. National and international regulations.

THE DATA AND ADVICE GIVEN APPLY WHEN THE PRODUCT IS SOLD FOR THE STATED APPLICATIONS ONLY. USE OF THE PRODUCT FOR OTHER APPLICATIONS NOT STATED MAY GIVE RISE TO RISKS NOT MENTIONED IN THIS DATA SHEET. IT IS NOT RECOMMENDED FOR OTHER APPLICATIONS WITHOUT SEEKING ADVICE.