



## MATERIAL SAFETY DATA SHEET

Revised 1<sup>st</sup> April 2011

### IDENTIFICATION

#### PRODUCT NAME:

# HYDROCHLORIC ACID

OTHER NAMES: Hydrogen Chloride, Aqueous, Spirit of Salts, Muriatic Acid,

UN Number:	1789
Class:	8
Subsidiary Risk:	n/a
Packaging Group:	II
EPG:	8A1
Hazchem Code:	2R
Poison Schedule:	6

### HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT CODE: HYA  
 USE: A laboratory reagent. Commonly used as a constituent in cleaning solutions. Used in the mining industry for regeneration of activated carbon, pickling and metal cleaning.

#### PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colourless liquid with a very sharp, biting odour	MELTING POINT: 0°C
BOILING POINT: 110°C	VAPOUR DENSITY: 1.3
VAPOUR PRESSURE: 210mmHg	SOLUBILITY (WATER): Soluble
SPECIFIC GRAVITY: 1.2	EXPLOSION LIMITS: None
FLASH POINT: None	pH: 1% Solution: ≤1
VOLATILES: No data available	

#### INGREDIENTS

Hydrochloric acid	7647-01-0	26-29%
Titanium dioxide	13463-67-7	1% maximum
Water	7731-18-5	balance

### HEALTH HAZARD INFORMATION

#### ACUTE

##### INGESTION

Corrosive. May cause burning of the mouth, throat and stomach. Ingestion may cause coughing, constriction of the throat due to swelling of the larynx and vomiting of blood or blood in diarrhea. Breathing difficulties, shock and convulsions may follow.

##### EYE

Vapour is severely irritating. Liquid is severely irritating and may cause conjunctivitis, ulceration and corneal burns. Permanent eye damage may result.