WATER

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

WATER

OTHER NAMES

"dihydrogen oxide", H2O, "distilled water", aqua

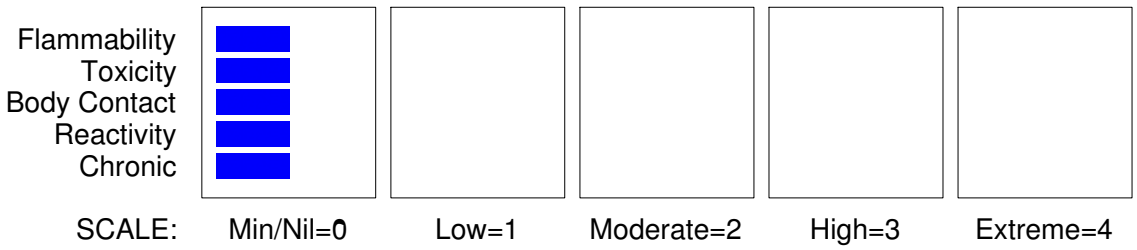
PRODUCT USE

Suspending agent, solvent, diluent, carbonated beverages, hydration tile processing, paper coatings, moderator in nuclear reactors, debarking logs, filtration, industrial coolant, washing, sulfur mining, hydrolysis, Portland cement, hydraulic systems, power source, steam generation, food industry, source of hydrogen by electrolysis and thermochemical decomposition.
Distilled water for use in secondary batteries in critical applications is required to meet AS 2668-1983

SUPPLIER

Company: S D FINE- CHEM LIMITED
Address:
315- 317, T.V. INDUSTRIAL ESTATE,
248, WORLI,
MUMBAI- 400030.INDIA.
technical@sdfine.com
Telephone: 91- 22- 24959898
Telephone: 91- 22- 24959899
Fax: 91- 22- 24937232

HAZARD RATINGS



Section 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HAZARD

Not hazardous

continued...

No hazards determined by using GHS criteria

PRECAUTIONARY STATEMENTS

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
water	7732-18-5	100

Section 4 - FIRST AID MEASURES

SWALLOWED
Not applicable.

EYE
Not applicable.

SKIN
Not applicable.

INHALED
· If fumes or combustion products are inhaled remove from contaminated area.
· Other measures are usually unnecessary.

NOTES TO PHYSICIAN
Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
· Use extinguishing media suitable for surrounding area.

FIRE FIGHTING
Not applicable.

FIRE/EXPLOSION HAZARD
Not applicable.

FIRE INCOMPATIBILITY
None known.

Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

MINOR SPILLS
Clean up all spills immediately.

MAJOR SPILLS
Clean up all spills immediately.

continued...

EMERGENCY RESPONSE PLANNING GUIDELINES (ERPG)

The maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour WITHOUT experiencing or developing

life-threatening health effects is:
water 500 mg/m³

irreversible or other serious effects or symptoms which could impair an individual's ability to take protective action is:
water 500 mg/m³

other than mild, transient adverse effects without perceiving a clearly defined odour is:
water 500 mg/m³

The threshold concentration below which most people will experience no appreciable risk of health effects:
water 500 mg/m³

American Industrial Hygiene Association (AIHA)

Ingredients considered according to the following cutoffs

Very Toxic (T+)	>= 0.1%	Toxic (T)	>= 3.0%
R50	>= 0.25%	Corrosive (C)	>= 5.0%
R51	>= 2.5%		
else	>= 10%		

where percentage is percentage of ingredient found in the mixture

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

Not applicable.

SUITABLE CONTAINER

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

None known.

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storing and handling recommendations.

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS

+	+	+	+	+	+

+: May be stored together

continued...

O: May be stored together with specific preventions
X: Must not be stored together

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

The following materials had no OELs on our records

• water: CAS:7732- 18- 5

MATERIAL DATA

#32exn

PERSONAL PROTECTION

EYE

Not applicable.

HANDS/FEET

Suitability and durability of glove type is dependent on usage. Factors such as:
· frequency and duration of contact,
· chemical resistance of glove material,
· glove thickness and
· dexterity,
are important in the selection of gloves.
Wear general protective gloves, eg. light weight rubber gloves.

OTHER

No special equipment needed when handling small quantities.
OTHERWISE:
· Overalls.
· Barrier cream.
· Eyewash unit.

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:
" Forsberg Clothing Performance Index" .
The effect(s) of the following substance(s) are taken into account in the computer- generated selection: water

Protective Material:

BUTYL	A
NEOPRENE	A
VITON	A
PVA	C
NATURAL RUBBER	C

continued...

A: Best Selection
B: Satisfactory; may degrade after 4 hours continuous immersion
C: Poor to Dangerous Choice for other than short term immersion
NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -
* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required.
For further information consult your
Occupational Health and Safety Advisor.

ENGINEERING CONTROLS
Not applicable.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
Colourless, odourless, tasteless liquid. Polar liquid. Allotropic forms are ice and steam. Viscosity @ 20 deg. C. is 0.01002 poise.

PHYSICAL PROPERTIES
Liquid.
Mixes with water.

Molecular Weight: 18.02
Melting Range (°C): 0
Solubility in water (g/L): Mixes
pH (1% solution): 7
Volatile Component (%vol): 100
Relative Vapour Density (air=1): >1
Lower Explosive Limit (%): Not applicable
Autoignition Temp (°C): Not applicable
State: Liquid

Boiling Range (°C): 100
Specific Gravity (water=1): 1.000 @ 3.9 degC
pH (as supplied): 7
Vapour Pressure (kPa): 2.33 @ 20 degC.
Evaporation Rate: Slow
Flash Point (°C): Not Applicable
Upper Explosive Limit (%): Not applicable
Decomposition Temp (°C): Not applicable
Viscosity: Not available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY
- Presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

continued...

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED
Not applicable.

EYE
Not applicable.

INHALED
Not normally a hazard due to non-volatile nature of product.
The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

CHRONIC HEALTH EFFECTS
Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.
Prolonged skin contact may cause skin reactions and susceptibility to skin infections.

TOXICITY AND IRRITATION

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
No significant acute toxicological data identified in literature search.

Section 12 - ECOLOGICAL INFORMATION

No data

Section 13 - DISPOSAL CONSIDERATIONS

Not applicable.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:UN, IATA, IMDG

Section 15 - REGULATORY INFORMATION

REGULATIONS

continued...

Section 15 - REGULATORY INFORMATION

water (CAS: 7732-18-5) is found on the following regulatory lists;
OECD Representative List of High Production Volume (HPV) Chemicals

Section 16 - OTHER INFORMATION

MSDS SECTION CHANGES

The following table displays the version number of and date on which each section was last changed.

Section Name	Version	Date	Section Name	Version	Date	Section Name	Version	Date
First Aid (inhaled)	4	16- Jun- 2006	Storage (suitable container)	4	16- Jun- 2006	Instability Condition	4	16- Jun- 2006
First Aid (skin)	4	16- Jun- 2006	Engineering Control	4	16- Jun- 2006	Acute Health (eye)	4	16- Jun- 2006
Fire Fighter (extinguishing media)	4	16- Jun- 2006	Personal Protection (eye)	4	16- Jun- 2006	Acute Health (inhaled)	4	16- Jun- 2006
Fire Fighter (fire incompatibility)	4	16- Jun- 2006	Personal Protection (hands/feet)	4	16- Jun- 2006	Acute Health (skin)	4	16- Jun- 2006
Handling Procedure	4	16- Jun- 2006	Personal Protection (other)	4	16- Jun- 2006	Acute Health (swallowed)	4	16- Jun- 2006
Storage (storage incompatibility)	4	16- Jun- 2006	Appearance	4	16- Jun- 2006	Chronic Health	4	16- Jun- 2006
Storage (storage requirement)	4	16- Jun- 2006	Physical Properties	4	16- Jun- 2006			

The above information is believed to be accurate and represent the best information currently available to us, but does not represent any warranty expressed or implied of the properties of the product. User should make their own investigation to determine the suitability of the information for their particular purpose.

Issue Date: 16-Jun-2017