



# ABS WATER TECH INDIA PVT LIMITED

## Customer Oriented Customization Specialists

REF: *ABS/CT/MSDS/004- 0*

### MSDS FOR ABS - BC - 30

SECTION – 1	PRODUCT IDENTIFICATION
Product / Chemical name	ABS - BC - 30
Manufacturer	<b>ABS WATER ECH INDIA P LIMITED</b> New No.468, Old No: 324, MKN Road, F1, 1 <sup>st</sup> Floor, Alandur, Chennai – 600 016. Telephone: 044 – 22130124/45410820, E.Mail: <a href="mailto:abswatertech2009@yahoo.com">abswatertech2009@yahoo.com</a> Website: <a href="http://www.absgroups.in">www.absgroups.in</a>
Chemical Formula	Formulated chemicals
CAS Number	7681 – 52-9

SECTION – 2	EMERGENCY OVERVIEW
Description	Colorless to yellow liquid.
Hazards	Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing Vapor or dust. Use with adequate Ventilation. Avoid contact with eyes , skin And clothes. Wash thoroughly after Handling. Keep the container closed

SECTION – 3	FIRST AID PROCEDURE
Inhalation	(mist or spray) Remove from exposure,seek medical treatment if any symptoms Occur. Remove to fresh air. If breathing is difficult give oxygen
Eye contact	Immediately flush with large amounts of water for at least 15 minutes, occasionally Lifting upper and lower lids. Seek medical Attention
Skin contact	Remove contaminated clothing and wash Contaminated skin with water.
Ingestion	If swallowed, induce vomiting immediately After giving two glasses of water. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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**After first aid, get appropriate in-plant, paramedic, or community medical support**

SECTION – 4	PHYSICAL & CHEMICAL PROPERTIES
Appearance	CLEAR
Boiling Point	219°F
Color	YELLOW COLOR
Density	NA
Evaporation Rate	NA
Freeze Point	20°F
Melting Point	NA
Molecular Weight	74.45
Odor	Pungent Chlorine Odor
pH	12.31
Solubility	Soluble in Water
Specific Gravity	1.115
Vapor Density	NA
Vapor Pressure @ 55°C (Kpa)	7.63
Viscosity	NA
Vapor Pressure @ 50°C (Kpa)	6

SECTION – 5	FIRE FIGHTING MEASURES
Flash point	N/A
Burning Rate	N/A
Auto ignition Temperature	N/A
LEL:	N/A
UEL:	N/A
Flammability Classification:	Not flammable
Extinguishing Media.	This material is not combustible. Use extinguishing media appropriate for surrounding fire.
Unusual Fire or Explosion Hazards:	Containers of this material can explode as oxygen is liberated under high heat or fire conditions. Toxic fumes similar to chlorine gas are liberated by contact with acids, ammonia, some detergent cleaners, organic materials, oxidizing agents and some reducing agents. Highly exothermic reactions with organic materials and oxidizable materials may

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	cause fires in adjacent, heat sensitive materials: Do not store where contact may result with organic or oxidizable materials, e.g., sawdust, paper waste, or others.
Fire – Fighting instructions	Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

SECTION – 6	STABILITY AND REACTIVITY
Stability	Stable at room temperature in closed Containers. Slowly Decompose on contact With air. Contact with Acid liberates toxic Gases
Polymerization	Hazardous polymerization cannot occur
Chemical incompatibilities	Strong Acids , organic materials
Conditions to Avoid:	Keep away from incompatible materials
Hazardous Decomposition products	Chlorine , oxides of sodium

SECTION – 7	HEALTH HAZARD INFORMATION
Primary Entry Routes:	Ingestion. skin contact , Eye contact
Target Organs:	Skin eye , respiratory , lungs
Acute Effect	May be harmful if swallowed or inhaled. Gastrointestinal irritation, nausea vomiting and diarrhea
Eye	Irritating to eyes
Ingestion	Harmful if swallowed
Carcinogenicity	No information found for this product
Medical Conditions Aggravated by Long Term exposure	None reported
Chronic Effects	IARC, NTP, and OSHA list no evidence showing that any of the ingredients cause Cancer or affect reproduction.

SECTION – 8	SPILL, LEAK, AND DISPOSAL PROCEDURES
PERSONAL PRECAUTIONS:	Wear alkali-resistant slicker suit and complete

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	protective equipment including goggles, rubber gloves, rubber boots, and a self-contained breathing apparatus in the pressure demand mode or a supplied-air respirator. If the spill or leak is small, a full face-piece air-purifying cartridge respirator equipped with acid gases/mists filters may be satisfactory. In any event, always wear eye protection
ENVIRONMENTAL PRECAUTIONS:	Keep non-neutralized material out of sewers, storm drains, surface waters, and soil. This product is very toxic to aquatic life
METHODS FOR CLEANING UP:	For small spills or drips, mop or wipe up and dispose of in DOT-approved waste containers. For large spills, contain by diking with soil or other non-combustible absorbent material and dispose according to federal or local regulations.
DISPOSAL METHODS:	Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material.
OTHER NOTES:	Empty containers can have residues, gases and mists and are subject to proper waste disposal, as above.

SECTION – 9	REGULATORY DATA
RCRA hazardous Waste Number.	Not a characteristic waste (40 CFR § 261.20-24) Not listed waste (40 CFR § 261.30.38)
CERCLA hazardous Substance (40 CFR 302.4)	Listed CWA, Section.311 (b) (4)
CERCLA Reportable Quantity (RQ)	5000 lbs (2,270 kg) as Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>
SARA 311/312 codes:	Immediate (acute) health hazard
SATA Toxic Chemical (40 CFR 372.65)	Not listed
SARA EHS (Extremely hazardous substance) (40 CFR 355)	Not listed
OSHA Regulations:	
Air contaminant (29 CFR 1910.1000, Table Z-1, Z-I-A):	Not listed

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OSHA specifically Regulated Substance (29CFR 1910)	Not listed
State Regulations:	ABS WATER TECH has not investigated state specific requirement

<b>SECTION – 10</b>	<b>EXPOSURE CONTROL/PERSONAL PROTECTION</b>
Ventilation:	Local mechanical exhaust ventilation to minimize exposure to vapors or mist at the point of use.
Respiratory Protection:	Seek professional advice prior to respirator Selection and use. Follow OSHA respirator regulations (29 CFA 1910.134) and , if necessary, Wear an MSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level or airborne contamination, and Presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor Vessels or storage tanks), wear an SCBA. Warning! Air purifying respirators do not protect Workers in oxygen deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least; medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary Storage areas.
EYE/FACE:	Chemical goggles and full face-shield unless a full face-piece respirator is also worn. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury. In laboratory situation, where running water is immediately available and an eyewash nearby, for handling of sixteen (16) ounces or less of product, safety glasses are acceptable eye protection.
Protective Clothing / Equipments	Wear Chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated Skin contact. Wear protective chemical safety

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	goggles, per OSHA eye-and face-protection Regulation (29 CFR 1910.133). Contact lenses are Not eye protective devices. Appropriate eye protection must be worn instead of, or in Conjunction with contact lenses.
Safety Stations:	Make emergency eyewash stations, safety/quick – drench showers, and washing facilities available in Work area.
Contaminated Equipments:	Separate contaminated work clothes from street Clothes, Launder before reuse. Remove this material from your shoes and clean personal Protective equipment.
Comments	Never eat, drink or smoke in work areas. Proactive good personal hygiene after using this material, especially before eating, drinking, smoking, using The toilet or applying cosmetics.

SECTION – 11	SPECIAL PRECAUTIONS AND COMMENTS
Handling Precautions:	Ensure that all containers are labeled in Accordance with OSHA regulations. Avoid Skin and eye contact. Wear appropriate Protective clothing.

SECTION – 12	HANDLING AND STORAGE
Handling	Do not use pressure to empty container. Wash thoroughly after handling. Do no get in eyes, on skin, or on clothing. Store in original containers only at temperatures below 85°F. Do not store near acids, oxidizable materials, or organics. Do not store on wooden floors. ATTENTION: When empty, the container may still be hazardous. Because container, even after they have been emptied, still retain product residues (vapor, liquid or solid), all labeled hazard precautions MUST BE OBSERVED. If "emptied" product containers of 110 gallons or greater volume are to be shipped, DOT requires the containers to be

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	triple rinsed (or equivalent) to remove any residue and DOT placards be removed or covered with plain placards before they can be shipped as empty containers.
SPECIAL MIXING AND HANDLING INSTRUCTIONS:	Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not mix or contaminate this product with ammonia, acids, hydro-carbons, alcohols, ethers, reducing agents, oxidizers, cleaning agents or other products which may liberate chlorine or other toxic vapors. For elemental chlorine, the OSHA PEL is .5 PPM TWA and 1 PPM STEL; the ACGIH TLV is 1 PPM TWA, with a STEL of 3 PPM. This product degrades with age. Use it within one month of receipt. It is a violation of federal law to use this product in a manner inconsistent with its labeling. EPA pesticides regulations apply, and EPA registration is required when using for disinfecting or sanitation purposes. <b>THIS PRODUCT IS LISTED ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY OF CHEMICAL SUBSTANCES.</b>
STORAGE:	Store in a cool, dry, well-ventilated place away from incompatible materials. Keep container tightly closed and vented when no in use.

SECTION – 13	TOXICOLOGICAL INFORMATION
ACUTE ORAL:	For 5% Solution Rat LD50 = 13 G/KG For 12.5% Solution Rat LD50 = 5G/KG
DERMAL:	Rat LD50 > 3.0 G/KG
ACUTE INHALATION:	NA
CARCINOGENICITY:	This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research of Cancer, or the Occupational Safety and Health Administration.
OTHER DATA	None

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SECTION – 14	ECOLOGICAL INFORMATION
FISH:	This product is very toxic to aquatic life.
INVERTEBRATES:	This product is very toxic to aquatic life
AMPHIBIANS:	This product is very toxic to aquatic life
PLANTS:	This product is very toxic to aquatic life
ENVIRONMENTAL FATE DATA	BIOTIC:No Data ABIOTIC:No Data

SECTION – 15	TRANSPORT INFORMATION
DOT PROPER SHIPPING NAME:	Hypochlorite Solution
DOT HAZARD CLASS:	8
DOT IDENTIFICATION NUMBER:	UN1791
DOT PACKING GROUP:	PG III
DOT HAZARDOUS SUBSTANCE(S):	RQ 100 LBS.
DOT MARINE POLLUTANT(S):	MARINE POLLUTANT
ADDITIONAL DESCRIPTION RQMT:	

SECTION – 16	ADDITIONAL INFORMATION
<p>MSDS Last Revision Date : April 2012</p> <p>The information above is believed to be accurate and represents the best information Currently available to us. This information is given without any warranty or Representation. <b>ABS WATER TECH</b> do not assume any legal responsibility for same, nor do we give Permission, inducement, or recommendation to practice the same always. It is offered Solely for your consideration, investigation and verification. In no event shall <b>ABS WATER TECH</b> be liable for any claim, losses, or damages of any third party or for lost profits or any Special, indirect, incidental, consequential or exemplary damages.</p>	

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