

**SAFETY DATA SHEET
ACCORDING TO 1907/2006/EC, ARTICLE 31**

M & A PINE DISINFECTANT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1: PRODUCT IDENTIFIER

Product Name	M & A Pine Disinfectant
Other means of identification	Disinfectant

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses	Disinfectant
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1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier	M & A Hygiene PLC
Address	Unit 2, Highams Hill farm, Sheepbarn Lane, Warlingham, CR6 9PQ.
Web	www.m-a-hygiene.co.uk
Telephone	01959 577778
Fax	01959 577780
Email	sales@m-a-hygiene.co.uk
Email address of the competent person	

1.4 EMERGENCY TELEPHONE NUMBER


Emergency telephone number	
Further information	
Uses advised against	

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1 Classification – 1999/45/EC	SKIN IRRITANT.2 H315
Main Hazards	IRRITATING TO SKIN

2.2 LABEL ELEMENTS

Symbols	
Signal word	WARNING
Hazard statement	H315-CAUSES SKIN IRRITATION
Precautionary Statement: Prevention	P102-KEEP OUT OF REACH OF CHILDREN. P 15- RESTRICTED TO PROFESSIONAL USERS.
Precautionary Statement: Response	P301+P330+P331- IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P302+352- IF ON SKIN: GENTLY WASH WITH PLENTY OF WATER. P332 +P313-IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION P305+P351+P338- IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P337-P313-IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P501-DISPOSE OF CONTENTS/CONTAINER TO AN APPROPRIATE LOCAL WASTE SYSTEM.

2.3 OTHER HAZARDS

Other hazards	Not classified as PBT or vPvB
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	Range	EC No	CAS No	Reach No/Submission No	Classification according to 67/548/EEC
DECAN-1-OL, ETHOXYLATED	1-5%	500-046-6	26183-52-8		H318; H302
PINE OIL	1-5%	304-455-9	8002-09-3		H315
QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C18-ALKYLDIMETHYL, CHLORIDES	5-10%	270-325-2	68424-85-1		H302; H312; H314; H400
TETRASODIUM EDTA	.01-1%	200-573-9	64-02-8	01-2119486762-27	H302; H332; H318

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). IN CASE OF ACCIDENT BY INHALATION: REMOVE CASUALTY TO FRESH AIR AND KEEP AT REST.
Eye contact	RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES.
Skin Contact	RINSE IMMEDIATELY WITH PLENTY OF WATER
Ingestion	DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS)

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation	INHALATION MAY CAUSE NAUSEA AND VOMITING.
Eye contact	IRRITATING TO EYES
Skin Contact	IRRITATING TO SKIN
Ingestion	INGESTION MAY CAUSE NAUSEA AND VOMITING

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Inhalation	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE) REMOVE THE EFFECTED PERSON FROM THE SOURCE OF CONTAMINATION IMMEDIATELY.
Eye contact	IRRITATING TO EYES. BATHE THE EYE WITH RUNNING WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
Skin Contact	IRRITATING TO SKIN. RINSE IMMEDIATELY WITH PLENTY OF WATER.
Ingestion	INGESTION MAY CAUSE NAUSEA AND VOMITING, RINSE MOUTH THOROUGHLY. DRINK 1 TO 2 GLASSES OF WATER

GENERAL INFORMATION

	AVOID CONTACT WITH EYES AND SKIN. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE)
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SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

	WATER SPRAY
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5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

	CARBON DIOXIDE (CO ₂), IRRITATING GASES OR VAPOURS.
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5.3 ADVICE FOR FIREFIGHTERS

	SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE CLOTHING.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.
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6.2 ENVIRONMENTAL PRECAUTIONS

	ADVISE LOCAL AUTHORITIES IF LARGE SPILLS CANNOT BE CONTAINED.
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6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

	SMALL SPILLAGES UNDER 5 LITRES FLUSH AWAY WITH PLENTY OF WATER. LARGER SPILLAGE ABSORB WITH INERT, ABSORBENT MATERIAL. COLLECT AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINERS AND SEAL SECURELY.
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6.4 REFERENCE TO OTHER SECTIONS

	FOR PERSONAL PROTECTION, SEE SECTION 8, FOR WASTE DISPOSAL SEE SECTION 13.
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FURTHER INFORMATION

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SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

	ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. AVOID CONTACT WITH EYES AN SKIN. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP OUT OF REACH OF CHILDREN.
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7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

	KEEP ONLY IN THE ORIGINAL CONTAINER.
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7.3 SPECIFIC END USE(S)

	THE IDENTIFIED USES FOR THIS PRODUCT ARE DETAILED IN SECTION 1.2.
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SUITABLE PACKAGING

KEEP ONLY IN ORIGINAL CONTAINERS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION


8.1 CONTROL PARAMETERS

	NO DATA IS AVAILABLE ON THIS PRODUCT
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8.1.1 EXPOSURE LIMIT VALUES

	<p>WEL 8HR LIMIT PPM: _____ WEL 8-HR LIMIT MG/M3: _____</p> <p>WEL 15 MIN LIMIT PPM: 2MG/M3 WEL 15 MIN LIMIT MG/M3 _____</p>
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8.2 EXPOSURE CONTROLS

	
8.2.1 Appropriate engineering controls	NOT RELEVANT
8.2.2 Individual protection measures	AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION.
Eye/face protection	NOT NORMALLY REQUIRED
Skin protection	RUBBER GLOVES

Hand protection	WEAR SUITABLE GLOVES
Skin protection – other	AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION.
Respiratory protection	NOT NORMALLY REQUIRED
Thermal hazards	NOT APPLICABLE
8.2.3 Environmental exposure controls	NOT NORMALLY REQUIRED
Occupational exposure controls	NOT NORMALLY REQUIRED.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

State	LIQUID
Colour	AMBER
Odour	CHARACTERISTIC
pH	7-8
Melting point	NOT APPLICABLE
Freezing point	-4
Boiling point	105
Flash point	NOT APPLICABLE
Evaporation rate	NOT APPLICABLE
Flammability limits	NOT APPLICABLE
Vapour flammability	NOT APPLICABLE
Vapour pressure	NOT APPLICABLE
Vapour density	-1
Relative density	1
Fat solubility	NOT APPLICABLE
Partition coefficient	NOT APPLICABLE
Autoignition temperature	NOT RELEVANT
Explosive	NOT APPLICABLE
Oxidising	NOT APPLICABLE
Solubility	NOT APPLICABLE

9.2 OTHER INFORMATION

Conductivity	NOT APPLICABLE
Surface tension	NOT APPLICABLE
Gas group	CHLORINE
Benzene content	NOT APPLICABLE
Lead content	NOT APPLICABLE
VOC (volatile organic compounds)	NOT APPLICABLE

SECTION 10: STABILITY AND REACTIVITY**10.1 REACTIVITY**

	NO DANGEROUS REACTIONS KNOWN
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10.2 CHEMICAL STABILITY

	DO NOT ALLOW TO FREEZE. STABLE UNDER NORMAL CONDITIONS
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10.3 POSSIBILITY OF HAZARDOUS REACTIONS

	SEE SECTIONS 10.1, 10.4, 10.5
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10.4 CONDITIONS TO AVOID

	DO NOT ALLOW TO FREEZE. THERE ARE NO KNOWN CONDITIONS THAT ARE LIKELY TO RESULT IN A HAZARDOUS SITUATION.
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10.5 INCOMPATIBLE MATERIALS

	NO SPECIFIC MATERIAL OR GROUP OF MATERIALS IS LIKELY TO REACT WITH THE PRODUCT TO PRODUCE A HAZARDOUS SITUATION.
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10.6 HAZARDOUS DECOMPOSITION PRODUCTS

	NO KNOWN HAZARDOUS DECOMPOSITION PRODUCTS.
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SECTION 11: TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity	NO DATA AVAILABLE
Skin corrosion/irritation	CAUSE IRRITATION TO SKIN
Serious eye damage/irritation	MAY CAUSE IRRITATION TO EYES.
Respiratory or skin sensitisation	MAY CAUSE SENSITISATION BY INHALATION AND SKIN CONTACT.
Germ cell mutagenicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Carcinogenicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Reproductive toxicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
STOT-single exposure	NO DATA IS AVAILABLE ON THIS PRODUCT.
STOT-repeated exposure	NO DATA IS AVAILABLE ON THIS PRODUCT.
11.1.4 Toxicological Information	NO DATA AVAILABLE

SECTION 12: ECOLOGICAL INFORMATION**12.1 TOXICITY**

	NO DATA AVAILABLE. AQUATIC TOXICITY DATA PROVIDED BY RAW MATERIAL MANUFACTURERS WHERE PROVIDED CAN BE MADE AVAILABLE ON REQUEST.
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12.2 PERSISTENCE AND DEGRADABILITY

	READILY BIODEGRADABLE. THE SURFACTANT(S) CONTAINED IN THIS PRODUCT COMPLIES (COMPLY) WITH BIODEGRADABILITY CRITERIA AS LAID DOWN IN REGULATION (EC) No. 648/2004 ON DETERGENTS.
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12.3 BIOACCUMULATIVE POTENTIAL

	DOES NOT BIOACCUMULATE
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12.4 MOBILITY IN SOIL

	NOT KNOWN
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12.5 RESULTS OF PBT AND VPVB ASSESSMENT

	DNEL: DERIVED NO EFFECT LEVEL
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12.6 OTHER ADVERSE EFFECTS

	DNEL: DERIVED NO EFFECT LEVEL
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

	DISCHARGE USED SOLUTIONS TO DRAIN. SMALL AMOUNTS (LESS THAN 5 LITRES) OF UNWANTED PRODUCT MAY BE FLUSHED WITH WATER TO SEWER. LARGE VOLUMES MUST BE SENT FOR DISPOSAL AS SPECIAL WASTE. RINSE OUT EMPTY CONTAINER WITH WATER AND CONSIGN TO NORMAL WASTE.
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GENERAL INFORMATION

	THIS PRODUCT IS CONSIDERED AS NONE HAZARDOUS
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DISPOSAL METHODS

	LOCAL AND NATIONAL REGULATIONS. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.
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DISPOSAL OF PACKAGING

	EMPTY CONTAINERS CAN BE CLEANED WITH WATER. EMPTY CONTAINERS CAN BE SENT FOR DISPOSAL OR RECYCLING.
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SECTION 14: TRANSPORT INFORMATION

ADR/RID	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.
IMDG	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.
IATA	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulations	<p>COMMISSION REGULATION (EU) No 453/2010 OF 20 MAY 2010 AMENDING REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVE 91/155/EEC, 93/67/EEC, 93/105/EEC AND 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVES 91/155/EEC, 93/67/EEC AND 2000/21/EC</p>
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15.2 CHEMICAL SAFETY ASSESSMENT

	NO DATA IS AVAILABLE ON THIS PRODUCT
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SECTION 16: OTHER INFORMATION

OTHER INFORMATION

Text of risk phrases in Section 3	<p>H315-CAUSES SKIN IRRITATION H400-VERY TOXIC TO AQUATIC LIFE. H318-CAUSES SERIOUS EYE DAMAGE H302- HARMFUL IF SWALLOWED H312- HARMFUL IN CONTACT WITH SKIN H314- CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.</p>
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GENERAL INFORMATION

	<p>THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE. THIS INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AT THE DATE OF PUBLICATION HOWEVER NO GUARANTEE IS MADE TO ITS ACCURACY.</p>
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FURTHER INFORMATION

	<p>The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness.</p> <p>M & A HYGIENE PLC WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM ANY INHERENT HAZARD OF THE MATERIAL, THE ABNORMAL USE OF THE MATERIAL OR FROM FAILURE TO ADHERE TO RECOMMENDATION.</p>
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