

# MATERIAL SAFETY DATA SHEET

**ACCEPTA 2893**

Date issued: 01/05/2008

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

PRODUCT NAME:

ACCEPTA 2893

COMPANY IDENTIFICATION:

ACCEPTA LTD  
 Statham House Talbot Road  
 Manchester M32 0FP  
 United Kingdom  
 Tel. : +44 (0) 161 877 2334

**EMERGENCY TELEPHONE NUMBER:** See section 16, for Emergency Telephone Numbers.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:

Preparation containing: 5-chloro-2-methyl -4-isothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one, Sodium nitrate in aqueous solution

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
26172-55-4	2475007	Mixture ( 55965-84-9 ): 5-chloro-2-methyl -4-isothiazolin-3-one	0.5 - 0.8	T, N	23/24/25-34-43-50/53
2682-20-4	2202396	2-Methyl-4-isothiazolin-3-one			
7631-99-4	2315543	Sodium nitrate	1 - 5	O	8

Refer to section 16 for descriptions of relevant risk phrases and Notas.

# MATERIAL SAFETY DATA SHEET

ACCEPTA 2893

Date issued: 01/05/2008

## 3. HAZARDS IDENTIFICATION

This product is classified as dangerous (European Directive 1999/45/EC).

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION:

Corrosive to respiratory system.

SKIN CONTACT:

Causes burns. May cause sensitization by skin contact.

EYE CONTACT:

Causes burns.

INGESTION:

Corrosive, causes burns to gastro-intestinal tract. Nausea, vomiting and stomach pain may occur. In severe cases blood may be vomited.

HUMAN HEALTH HAZARDS - CHRONIC:

May cause sensitization by skin contact.

ENVIRONMENTAL HAZARDS

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. FIRST-AID MEASURES

INHALATION:

Obtain medical attention immediately. Remove to fresh air, rest, treat symptomatically.

SKIN CONTACT:

Obtain medical attention immediately. Speed is essential. Remove contaminated clothing. Wash off affected area immediately with plenty of water.

EYE CONTACT:

Obtain medical attention immediately. Speed is essential. Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating.

INGESTION:

Seek medical advice immediately, showing the label and/or SDS. **Do not induce vomiting without medical advice.** If conscious washout mouth and give one glass of water to drink.

ADDITIONAL INFORMATION

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

# MATERIAL SAFETY DATA SHEET

ACCEPTA 2893

Date issued: 01/05/2008

## 5. FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.  
Water mist may be used to cool closed containers.

### FIRE AND EXPLOSION HAZARD

Oxides of nitrogen, Oxides of sulphur, Oxides of carbon, Hydrogen chloride.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING:

In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS:

Do not breathe vapour. Prevent contact with skin, eyes and clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Ensure adequate ventilation. Use personal protective equipment recommended in Section 8, Self-contained breathing apparatus.

### ENVIRONMENTAL PRECAUTIONS:

Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities.

### METHODS FOR CLEANING UP:

Soak up with inert absorbent material. Transfer contaminated material to suitable containers for disposal. Contaminated surfaces should be swabbed with deactivation solution, let stand for 30 minutes and rinse thoroughly with clean water. DO NOT add deactivation solution to the waste container to deactivate the absorbed material. Do not use cotton waste, sawdust or other combustible substances as absorbent materials, these may ignite when dried out. \* DEACTIVATION SOLUTION - prepare fresh a solution of 5% Sodium bicarbonate and 5% Sodium hypochlorite in water. Use at a ratio of 10 volumes decontamination solution per estimated volume of residual spill.

## 7. HANDLING AND STORAGE

### HANDLING:

Do not breathe vapour. Prevent contact with skin, eyes and clothing. Use with adequate ventilation. Avoid generating aerosols and mists.

Discard contaminated shoes, belts and other articles made of leather. Skin reaction can be delayed and therefore wetting of the skin and/or clothes does not always give an indication of contamination. Treat all wetting of the skin and/or clothes which occurs during handling as contact with the product and administer first aid immediately.

### STORAGE CONDITIONS:

Protect from freezing. Keep container tightly closed in a cool, well-ventilated place. Store separately from acids. Store away from: Combustible materials, Organic materials and reducing agents.

# MATERIAL SAFETY DATA SHEET

ACCEPTA 2893

Date issued: 01/05/2008

For specific dosages and customized applications please contact your representative.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

5-chloro-2-methyl -4-isothiazolin-3-one: Manufacturers Recommendation 0.076 mg/m<sup>3</sup> (TWA), 0.23 mg/m<sup>3</sup> (STEL)

2-Methyl-4-isothiazolin-3-one Manufacturers Recommendation 1.5 mg/m<sup>3</sup> (TWA), 4.5 mg/m<sup>3</sup> (STEL)

### ENGINEERING MEASURES

Use general ventilation with local exhaust ventilation. Use a closed dosing system.

### RESPIRATORY PROTECTION:

An approved respirator must be worn if the occupational exposure limit is likely to be exceeded, Self-contained breathing apparatus.

### HAND PROTECTION:

PVC gloves, Nitrile gloves.

Most glove materials are of low chemical resistance. Replace gloves regularly.

### SKIN PROTECTION:

Complete suit protecting against chemicals.

### EYE PROTECTION:

Chemical splash goggles & face shield.

### HYGIENE RECOMMENDATIONS:

Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Wash hands during breaks and at end of the shift.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical properties are typical values for this product

FORM:	Liquid		
COLOUR:	Clear		
	VALUE	UNIT	TEST METHOD
RELATIVE DENSITY:	1.02 - 1.04		
SOLUBILITY IN WATER:	Complete		
pH	4		

Abbreviation: NE = not evaluated, NA = not applicable, NR = not relevant

# MATERIAL SAFETY DATA SHEET

ACCEPTA 2893

Date issued: 01/05/2008

## 10. STABILITY AND REACTIVITY

### STABILITY:

Stable under ambient conditions.

### CONDITIONS TO AVOID:

Extremes of temperature.

### MATERIALS TO AVOID:

Oxidizing agents, Reducing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of nitrogen, Oxides of sulphur, Oxides of carbon, Hydrogen chloride (under fire conditions).

## 11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

### SENSITIZATION:

May cause sensitization by skin contact.

### CHRONIC TOXICITY DATA:

A 90-day dietary study in dogs of 840 ppm of isothiazolinone resulted in no mortalities or pathological findings. A 90-day dermal study in rabbits of 0.4 mg/kg/day of isothiazolinone resulted in irritation but no pathological effects. A 30-month skin painting study with mice using 400 ppm isothiazolinone three times per week showed no increased tumor frequency over control. A teratology study with rabbits and rats was negative using dosages of 1.5 to 15 mg/kg isothiazolinone. Mutagenicity results have been equivocal.

## 12. ECOLOGICAL INFORMATION

### MOBILITY AND BIOACCUMULATION POTENTIAL:

The following results are for the active ingredient:

log Kow = < 3

Fish: BCF < 100

# MATERIAL SAFETY DATA SHEET

**ACCEPTA 2893**

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## ECOTOXICOLOGICAL EFFECTS:

The following results are for the active ingredient:

Bobwhite Quail 21-Day Oral LD50 = 85 mg/kg

Bobwhite Quail 8-Day Dietary LC<sub>50</sub> = > 560 ppm

Pekin Duck 8-Day Dietary LC<sub>50</sub> = > 560 ppm

LC<sub>50</sub>/6D/Lepomis macrochirus (Bluegill Sunfish)= 0.54 ppm

LC<sub>50</sub>/6D/Oncorhynchus Mykiss (Rainbow Trout)= 0.14 ppm

LC<sub>50</sub>/96H/Cyprinodon variegatus (Sheepshead Minnow)= 0.3 ppm

LC<sub>50</sub>/48H/Daphnia magna (Water Flea) : 0.13 ppm

LC<sub>50</sub>/96H/Mytilus edulis = 1.9 ppm

Mytilus edulis NOEC: 0.40 ppm

Mytilus edulis embryo/larvae, 48 Hour LC50 = 14 ppb

Mytilus edulis embryo/larvae, NOEC: 3.2 ppb

Eastern oyster 48 Hour LC<sub>50</sub> = 28 ppb

## 13. DISPOSAL CONSIDERATIONS

Via authorized contractor. If this product becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Ensure compliance with EC, national and local regulations.

### NATIONAL REGULATIONS UK

In accordance with the Environmental Protection ( Duty of Care) Regulations 1991. Special Waste Regulations 1996 apply.

## 14. TRANSPORT INFORMATION

Class:	8	Packing group: II
Sea transport:	8	UN 3265
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. Contains: 5-chloro-2-methyl -4- isothiazolin-3-one, 2-Methyl-4-isothiazolin-3- one	
ADR/RID, H.I.n.:	80	
Marine pollutant:	No	

C061  
20030401

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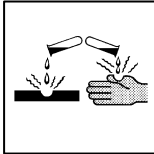
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## 15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: CORROSIVE



C, CORROSIVE

Contains: 5-chloro-2-methyl -4-isothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one

RISK PHRASES:

R34 Causes burns. R43 May cause sensitization by skin contact.

SAFETY PHRASES:

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

NATIONAL REGULATIONS UK

COSHH regulations apply. A precaution card is available and should be displayed wherever this product is used and stored (Ref.Ciso).

# MATERIAL SAFETY DATA SHEET

**ACCEPTA 2893**

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## 16. OTHER INFORMATION

RELEVANT RISK PHRASES:

R8 Contact with combustible material may cause fire. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R34 Causes burns. R43 May cause sensitization by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

REVISED INFORMATION:

Section(s): 2, 3, 4, 6, 8, 13

**EMERGENCY TELEPHONE NUMBER +44 (0) 161 877 2334**