

SAFETY DATA SHEET

INTERCIDE BC-14

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING 1

PRODUCT NAME INTERCIDE - BC 14

PRODUCT NO. P40037

APPLICATION

Biocide applications: In-can preservatives. Preservatives for liquid-cooling and processing systems

Slimicides. Metalworking-fluid preservatives

Akcros Chemicals Limited SUPPLIER

Lankro Way

Eccles

Manchester

M30 0BH

Tel. +44 (0) 161 785 1111

Fax. +44 (0) 161 788 7886

e-mail: RegAffairs@akcros.com

HAZARDS IDENTIFICATION 2

Harmful by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Toxic to aquatic

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

CLASSIFICATION Xn;R20/21/22. C;R34. R43. N;R51/53

3. COMPOSITION/INFORMATION ON INGREDIENTS

EC No. Name Classification CAS-No. Content

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one

[EC no. 247-500-7] and 2-methyl-2H

(3:1) isothiazol-3-one [EC no. 220-239-6]-

T;R23/24/25 C;R34 R43 N;R50/53 55965-84-9 14%

The Full Text for all R-Phrases are Displayed in Section 16

4. FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

For detailed information on the ingredients see Section 3. Symptomatic treatment is advised

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention immediately

INGESTION

Do not induce vomiting. Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Get medical attention immediately. Wash

contaminated clothing before reuse

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids

Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog

SPECIAL FIRE FIGHTING PROCEDURES

Self contained breathing apparatus and full protective clothing must be worn in case of fire

SPECIFIC HAZARDS

Do not allow to enter drains, sewers or watercourses. Thermal decomposition or combustion may liberate carbon oxides and other toxic

gases or vapours. Hydrogen chloride (HCl). Nitrous gases (NOx). Sulphurous gases (SOx)

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Corrosive Material. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact

with skin and eyes. May cause sensitisation by skin contact. In case of inadequate ventilation, use respiratory protection. Wash promptly if

skin becomes wet or contaminated. Remove contaminated clothing immediately and wash skin with soap and water

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal

according to local regulations. For waste disposal, see section 13

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of vapours and contact with skin and eyes. Provide good ventilation. Vapour from this chemical can be hazardous when

inhaled. Avoid forming spray mists/aerosols

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents. Reducing Agents

STORAGE CLASS

Corrosive storage

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

The following exposure limit(s) apply for

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

in the Netherlands (NL) MAC (Maximaal Aanvaarde Concentraties) TGG - 8 hr - 0.2 mg/m³

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours

RESPIRATORY EQUIPMENT

Provide adequate ventilation. In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas

filter (type A2)

HAND PROTECTION

Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is

advisable

EYE PROTECTION

Wear goggles/face shield. (CEN EN166) Avoid contact with skin and eyes

HYGIENE MEASURES

Observe good industrial hygiene practices. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using the product. Use appropriate skin cream to prevent drying of skin

SKIN PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. (CEN EN340) Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Wash contaminated clothing before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Liquid

COLOUR Colourless to pale yellow

ODOUR Pungent

SOLUBILITY Soluble in water

BOILING POINT (°C) ~ 100°C RELATIVE DENSITY >1.25 g/cm³ @ 25°C

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time

MATERIALS TO AVOID

Avoid contact with oxidising agents. Avoid contact with strong reducing agents. Nucleophiles

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Sulphur dioxide. Hydrogen chloride

(HCl). Nitrous gases (NO_x)

11. TOXICOLOGICAL INFORMATION

Name

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one

Toxic Dose 1 - LD 50 67 mg/kg (oral rat)

Toxic Dose 2 - LD 50 140 mg/kg (ipr-rat)

Toxic Conc. - LC 50 0.17-0.33 mg/l/4h (inh-rat)

Toxicological information

Corrosive. Prolonged contact causes serious eye and tissue damage. Causes burns. Toxic by inhalation, in contact with skin and if

swallowed. May cause sensitisation by skin contact

12. ECOLOGICAL INFORMATION

WATER HAZARD CLASSIFICATION

WGK 3

Name

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H (3:1) isothiazol-3-one [EC no. 220-239-6]-

LC 50, 96 Hrs, FISH mg/l 0.22 - 0.32

EC 50, 48 Hrs, DAPHNIA, mg/l 0.12 - 0.16

IC 50, 72 Hrs, ALGAE, mg/l EC50/120hr 0.043

Bioaccumulation potential

Low potential to biaccumulate

Degradability

The product is moderately biodegradable

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as hazardous waste. Number. EWC 070214

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements

14. TRANSPORT INFORMATION



UK ROAD CLASS 8

PROPER SHIPPING NAME

CORROSIVE ACIDIC LIQUID, N.O.S. (mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no
([and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6 [247-500-7

AIR TRANSPORT NOTES IATA - Air - transport - check regulations

UN NO. ROAD III UK ROAD PACK GR 3265

ADR CLASS NO. Class 8: Corrosive substances. ADR CLASS 8

III ADR PACK GROUP (E) TUNNEL RESTRICTION CODE

RID CLASS NO. III RID PACK GROUP 8

UN NO. SEA 8 IMDG CLASS 3265

III IMDG PACK GR. No. MARINE POLLUTANT

UN NO. AIR 8 AIR CLASS 3265

III AIR PACK GR

15. REGULATORY INFORMATION

LABELLING



Corrosive



Dangerous for the environment

CONTAINS

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H
(3:1) isothiazol-3-one [EC no. 220-239-6]-

RISK PHRASES

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R34 Causes burns

R43 May cause sensitisation by skin contact

R51/53

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

SAFETY PHRASES

S2 Keep out of the reach of children

S23 Do not breathe vapour/spray

S25 Avoid contact with eyes

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S45

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

S51 Use only in well-ventilated areas

S57 Use appropriate containment to avoid environmental contamination

S60 This material and its container must be disposed of as hazardous waste

S61 Avoid release to the environment. Refer to special instructions/safety data sheets

EU DIRECTIVES

This product is in full compliance with the requirements of the EU Biocidal Products Directive. 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 Chemicals 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

.EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments/91/155

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations

APPROVED CODE OF PRACTICE

GUIDANCE .Classification and Labelling of Substances and Preparations Dangerous for Supply

NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG 108

16. OTHER INFORMATION

REVISION COMMENTS

ISSUED BY.Changes were made in section:- 7, 14, 16

S P Malcomson

SDS NO. 1.2

SAFETY DATA SHEET STATUS

Approved

DATE 25/1/10

RISK PHRASES IN FULL

Toxic by inhalation, in contact with skin and if swallowed. R23/24/25

Causes burns. R34

May cause sensitisation by skin contact. R43

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R50/53