

All surfactants used in this product comply with the current European Regulations concerning Biodegradability and protection of the environment.

Product Information

ZIRCON

Alcohol Hand Sanitiser

Product Description:

Zircon is a highly effective alcohol hand sanitiser which works quickly in killing bacteria and viruses to help prevent the risk of cross infection. It is effective against H1N1 (Swine Flu), MRSA and the viruses that cause AIDS and Hepatitis B. Zircon is formulated to evaporate from hands without the need for drying and without leaving any odour or residue - It will also leave the hands feeling smooth. Zircon is suitable for use wherever soap and water are not readily available and is recommended for healthcare establishments and food preparation areas.

Features and Benefits:

- Kills the H1N1 Swine Flu virus.
- Kills bacteria to help prevent the risk of cross infection.
- Meets the requirements of BS EN 1276
- Effective against MRSA & the viruses that cause AIDS & HEPATITIS B.
- Contains glycerine for added skin protection.
- Unperfumed. Ideal for use in the Food Industry.
- Suitable wherever soap and water is not readily available.
- Wall bracket available for 500ml.

Directions and Dilutions:

Apply small amount to palms and spread over hands & lower forearms, paying attention to cuticles & creases in skin. Rub well until skin is dry. Drying hands is not necessary, as product will evaporate leaving skin refreshed & sanitised. Not suitable for use on hands with cuts or grazes, or on damaged skin

Useful information:

Product Characteristics: Clear colourless liquid. Alcohol odour.

Storage: Store in original sealed container and protect from extremes of temperature.

Availability: Available in 20 litre boxes

Composition: TDSA 1 100 Ethanol Alcohol, aqua, glycerin, acrylates/C10-30 alkyl acrylate crosspolymer, triethanolamine.

*For any further information on this product or any other **Sky Chemicals** product, please contact us and we will be more than willing to help.*

Safety Data Sheet

1) IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

PRODUCT NAME: ZIRCON
CODE: SK033
DATE UPDATED: 20/04/20

SKY CHEMICALS (UK) LTD, UNIT 12, SHEFFIELD DESIGN STUDIOS, 40 BALL STREET, SHEFFIELD, S8 8DB

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2) COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS-No.	Content	Classification
ETHANOL	200-578-6	64-17-5	70-80%	Flam. Liq. 2 – H225 Eye Irr. 2 – H319

2.2) COMPOSITION/INFORMATION ON INGREDIENTS



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

3) HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Flam. Liq. 2 – H225 Eye Irrit. 2 – H319

4) FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION: DO NOT INDUCE VOMITING! Get medical attention immediately. Rinse mouth thoroughly with water.

SKIN CONTACT: Remove affected person from contamination.

EYE CONTACT: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5) FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Foam, carbon dioxide or dry powder.

UNUSUAL FIRE & EXPLOSION HAZARDS: May explode in a fire.

SPECIFIC HAZARDS: If involved in fire, may emit noxious fumes.

PROTECTIVE MEASURES IN FIRE: Keep containers cool by spraying with water to reduce explosion risks. Protective clothing and respiratory protection should be worn when tackling fires involving this product.

6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Immediately extinguish any sources of ignition. Avoid contact with eyes. Avoid inhaling vapour.

ENVIRONMENTAL PRECAUTIONS: Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

SPILL CLEAN UP METHODS: Small quantities may be flushed to drains with plenty of water. Large Spillages Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal by approved waste contractor.

7) HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid contact with eyes. Avoid inhalation of vapours. Eliminate all sources of ignition.

STORAGE PRECAUTIONS: Keep away from heat, sparks and open flame.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Name	Std	LTT-ppm	LT-mg/m3	ST-ppm	ST-mg/m3
ETHANOL	WEL	1000 ppm	1920 mg/m3		

INGREDIENT COMMENTS: WEL = Workplace Exposure Limits

ENGINEERING MEASURES: All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT: Required if ventilation is inadequate.

HAND PROTECTION: Wear protective gloves.

EYE PROTECTION: Wear eye protection.

OTHER PROTECTION: Wear appropriate clothing.

9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Liquid

COLOUR Colourless

ODOUR Alcoholic

SOLUBILITY Soluble in water. Miscible with organic solvents.

BOILING POINT (°C) 78 **MELTING POINT (°C)** -114

RELATIVE DENSITY 0.860 @ 20 °C

pH-VALUE, CONC. SOLUTION 5.5

FLASH POINT (°C) 12°C CC (Closed cup)

10) STABILITY AND REACTIVITY

STABILITY: Stable at normal ambient temperatures and when used as recommended.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID: Strong oxidising agents. Avoid contact with acids. Avoid contact with alkali metals.

11) TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Refer to section 3.

Other Health Effects: May cause discomfort if swallowed, ingestion may cause irritation of the gastro-intestinal tract. May cause nausea, headache dizziness, intoxication, and diarrhoea if ingested. May cause skin irritation. Product has defatting effect on skin. Vapours/aerosol may irritate the respiratory system.

12) ECOLOGICAL INFORMATION

ECOTOXICITY: not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

BIOACCUMULATION: does not bio-accumulate significantly

DEGRADABILITY: This product is biodegradable. Oxidises rapidly by photochemical reactions in the air.

13) DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Collect and place in suitable waste disposal containers and seal securely. Empty containers or liners may retain some product residues and hence be potentially hazardous. Disposal should at all times comply with the requirement of environmental protection and waste disposal legislation and any local authority requirements.

14) TRANSPORT INFORMATION

PROPER SHIPPING NAME ETHANOL SOLUTION			
UN NO. ROAD:	1170	ADR CLASS	Class 3: Flammable Liquids
ADR PACK GROUP:	II	RID CLASS NO.	Class 3: Flammable Liquids
RID PACK GROUP:	II	UN NO. SEA	1219
IMDG CLASS	Class 3: Flammable Liquids	IMDG PACK GR.	II
MARINE POLLUTANT	No	UN NO. AIR	1170
ICAO CLASS:	Class 3: Flammable Liquids	AIR PACK GR.	II

15) REGULATORY INFORMATION

LABELLING: Irritant Highly Flammable

RISK PHRASES: R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

R11 Highly flammable.

SAFETY PHRASES: S2 Keep out of the reach of children

S16 Keep away from sources of ignition - No smoking.

S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice.

S46 If swallowed, seek medical advice immediately and show this container or label.

S3/7 Keep container tightly closed in a cool place.

UK REGULATORY REFERENCES: Cosmetic Products (Safety)

Regulations 1996(c).

ENVIRONMENTAL LISTING: Hazardous Waste (England and Wales) Regulations.

EU DIRECTIVES: System of specific information relating to Dangerous Preparations. 2001/58/EEC. As amended by Directive 93/ 112/EC and 001/58/EC.

STATUTORY INSTRUMENTS: This is a Cosmetic product, therefore the Chemicals (Hazard Information & Packaging) Regulations do not apply.

APPROVED CODE OF PRACTICE: The compilation of safety Data Sheets L130.

GUIDANCE NOTES: Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

16) OTHER INFORMATION

INFORMATION SOURCES: Approved Supply List - HSC. Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS: Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8.

REVISION DATE 26th July 2010