SURECHEM PRODUCTS LTD
LION BARN INDUSTRIAL ESTATE
NEEDHAM MARKET
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TEL: +44 (0)1449 722143
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E-MAIL sales @ surechem.co.uk

ACETONE

MATERIAL SAFETY DATA SHEET No.A072 GHS VERSION 6a 01.02.23

SECTION 1. CHEMICAL IDENTIFICATION

1.1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION

PRODUCT No.A0722 ACETONE CP
PRODUCT No.A0724 ACETONE AR
PRODUCT No.A0726 ACETONE HPS

1.2 USE OF THE SUBSTANCE/ PREPARATION
FOR LABORATORY USE, ANALYSIS, RESEARCH, MANUFACTURING AND FINE CHEMISTRY

1.3 IDENTIFICATION OF THE COMPANY OR FIRM

COMPANY
SURECHEM PRODUCTS LIMITED
LION BARN INDUSTRIAL ESTATE
NEEDHAM MARKET
SUFFOLK IP6 8NZ
UNITED KINGDOM
TEL: +44 (0) 1449 722143
FAX +44 (0) 1449 722483
E-MAIL sales@surechem.co.uk

1.4 EMERGENCY TELEPHONE
SINGLE TELEPHONE NUMBER FOR EMERGENCY CALLS (+44) 1449 722 143

REACH NUMBER 01-2119471330-49-XXXX

SECTION 2. HAZARDS IDENTIFICATION

GHS LABEL ELEMENTS


DANGER


WARNING

H225: HIGHLY FLAMMABLE LIQUID AND VAPOUR.
H319: CAUSES SERIOUS EYE IRRITATION.
H336: MAY CAUSE DROWSINESS OR DIZZINESS.
P210: KEEP AWAY FROM HEAT/ SPARKS/ OPEN FLAMES/ HOT SURFACES. NO SMOKING.
P233: KEEP CONTAINER TIGHTLY CLOSED.
P241: USE EXPLOSION PROOF ELECTRICAL/ VENTILATING/ LIGHTING EQUIPMENT.
P303+P361+P353 IF ON SKIN: REMOVE/ TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER.
P501: DISPOSE OF CONTENTS/ CONTAINER ACCORDING TO DIRECTIVE 94/62/CE OR 2008/98/CE.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.67-64-1 ACETONE 100%
MF: C3H6O REACH NUMBER 01-2119471330-49-XXXX
SYNONYMS DIMETHYL KETONE, PROPANONE

SECTION 4. FIRST-AID MEASURES

4.1 GENERAL INDICATIONS
NEVER PROVIDE DRINK OR INDUCE VOMITIING IN THE EVENT OF LOSS OF CONSCIOUSNESS.
REMOVE CONTAMINATED CLOTHING.
4.2 INHALATION
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION.
4.3 CONTACT WITH THE SKIN
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.
4.4 EYES
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS.
4.5 SWALLOWING
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. AVOID VOMITING. CALL A PHYSICIAN.

SECTION 5. FIRE FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
5.2 UNSUITABLE EXTINGUISHING MEDIA
RUNNING WATER
5.3 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MISTURE
EXTREMELY FLAMMABLE.
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.
KEEP AWAY FROM SOURCES OF IGNITION. IN THE EVENT OF FIRE, TOXIC FUMES MAY BE FORMED OF CO OR CO2
5.4 PROTECTIVE EQUIPMENT
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
DO NOT INHALE THE FUMES. ENSURE AQUEDATE VENTILATION. AVOID SOURCES OF IGNITION.
DO NOT SMOKE.
6.2 ENVIRONMENTAL PRECAUTIONS
DO NOT ALLOW IT TO ENTER THE DRAINAGE SYSTEM. AVOID POLLUTION OF THE SOIL, WATER SUPPLIES AND DRAINS.
6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEARING UP.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. USE NONSPARKING TOOLS. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
EVACUATE AREA. SHUT OFF ALL SOURCES OF IGNITION.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING
ENSURE GOOD VENTILATION AND RENEWAL OF THE AIR IN THE PREMISES.
AVOID THE FORMATION OF ELECTROSTATIC CHARGES.
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
WELL SEALED CONTAINERS. IN A COOL DRY PLACE AWAY FROM LIGHT AND WELL VENTILATED.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE CONTROLS
ENSURE GOOD VENTILATION AND RENEWAL OF AIR IN THE PREMISES.
SAFETY SHOWER AND EYE BATH. COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR. FACESHIELD (8-INCH MINIMUM).
DO NOT BREATHE VAPOR. DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING. SEVERE EYE IRRITANT.
8.2 CONTROL PARAMETERS
OCCUPATIONAL EXPOSURE LIMITS EH40
OEL 500PPM (1210MG/M3)
8.3 RESPIRATORY PROTECTION
IN THE EVENT OF FUMES FORMING/ AEROSOLS, USE SUITABLE RESPIRATORY PROTECTION.
8.4 HAND PROTECTION
NITRILE RUBBER GLOVES, POLYCHLORPRENE GLOVES CHEMICAL SAFETY GOGGLES.
SAFETY SHOWER AND EYE BATH.
NOT SUITABLE – RUBBER LATEX
8.5 EYE/ FACE PROTECTION
USE SAFETY GLASSES.
8.6 INDIVIDUAL HYGIENE MEASURES
REMOVE CONTAMINATED CLOTHING. USE SUITABLE WORK CLOTHING.
WASH HANDS AND FACE BEFORE BREAKS AND WHEN THE JOB IS DONE.
8.7 ENVIRONMENTAL EXPOSURE CONTROLS
AVOID POLLUTION OF THE SOIL, WATER SUPPLIES AND DRAINS.
CHEMICAL SAFETY GOGGLES. MECHANICAL EXHAUST REQUIRED.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR
COLORLESS LIQUID
BOILING POINT: 56 C MELTING POINT: -94 C FLASHPOINT 1 F
AUTOIGNITION TEMPERATURE: 869 F UPPER EXPLOSION LEVEL: 13%
LOWER EXPLOSION LEVEL: 2% VAPOR PRESSURE: 184MM 20 C 400MM 39.5 C
VAPOR DENSITY: 2 SPECIFIC GRAVITY: 0.791

SECTION 10. STABILITY AND REACTIVITY

10.1 CONDITIONS TO AVOID
ADJACENT SOURCES OF HEAT AND TEMPERATURES OVER 35 DEG C.
10.2 INCOMPATIBLE MATERIALS
BASES OXIDIZING AGENTS REDUCING AGENTS
PROTECT FROM MOISTURE.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS
TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE
10.4 CHEMICAL STABILITY
STABLE.
PROTECT FROM MOISTURE.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
CAUSES SEVERE EYE IRRITATION. CAUSES SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
CAUSES DERMATITIS.
TARGET ORGAN(S): LIVER, KIDNEYS
RTECS NO: AL3150000
ACETONE
IRRITATION DATA

EYE-HMN 500 PPM	JIHTAB 25,282,43
SKN-RBT 395 MG OPEN MLD	UCDS** 5/7/70
SKN-RBT 500 MG/24H MLD	85JCAE -,280,86
EYE-RBT 20 MG SEV	AJOPAA 29,1363,46
EYE-RBT 20 MG/24H MOD	85JCAE -,280,86

TOXICITY DATA

UNR-MAN LDLO:1159 MG/KG	85DCAI 2,73,70
ORL-RAT LD50:5800 MG/KG	JTEHD6 15,609,85
IHL-RAT LC50:50100 MG/M3/8H	AIHAAP 20,364,59
IVN-RAT LD50:5500 MG/KG	NPIRI* 1,1,74
ORL-MUS LD50:3000 MG/KG	PCJOAU 14,162,80
IPR-MUS LD50:1297 MG/KG	SCCUR* -,1,61
ORL-RBT LD50:5340 MG/KG	FAONAU 48A,86,70
SKN-RBT LD50:20 GM/KG	UCDS** 5/7/70
SKN-GPG LD50:>9400 MG/KG	TXAPA9 7,559,65

TARGET ORGAN DATA
BRAIN AND COVERINGS (RECORDINGS FROM SPECIFIC AREAS OF CNS)
SENSE ORGANS AND SPECIAL SENSES (OTHER OLFACTION EFFECTS)
SENSE ORGANS AND SPECIAL SENSES (CONJUNCTIVA IRRITATION)
BEHAVIORAL (GENERAL ANESTHETIC)
BEHAVIORAL (MUSCLE WEAKNESS)
BEHAVIORAL (MUSCLE CONTRACTION OR SPASTICITY)
LUNGS, THORAX OR RESPIRATION (RESPIRATORY DEPRESSION)
LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)
KIDNEY, URETER, BLADDER (RENAL FUNCTION TESTS DEPRESSED)
EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY
NON-HAZARDOUS TO LIVING RESOURCES LC50 96HR >1000MG/L
12.2 PERSISTENCE AND DEGRADABILITY
BIODEGRADES.
12.3 BIOACCUMULATIVE POTENTIAL
DOES NOT BIOACCUMULATE
12.4 MOBILITY IN SOIL
DATA NOT AVAILABLE
12.5 ASSESSMENT PBT AND MPMB

DATA NOT AVAILABLE

12.6 OTHER ADVERSE EFFECTS

DO NOT ALLOW IT TO ENTER SOILS OR WATER CHANNELS.

SECTION 13 DISPOSAL CONSIDERATIONS

USE AN AUTHORISED WASTE CONTRACTOR.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14 TRANSPORT INFORMATION

UN1090 CLASS 3 PACKING GROUP II

SECTION 15. REGULATORY INFORMATION

GHS LABEL ELEMENTS



DANGER



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SECTION 16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SURECHEM PRODUCTS SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE CATALOGUE FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.
GHS VERSION 6A NGT 01.02.23 REPLACES GHS VERSION 5a DATED 13.05.20 REPLACES GHS VERSION 5 NGT 02.12.15 REPLACES GHS VERSION 4 DATED 14.10.13 WHICH REPLACED DSK VERSION 3 DATED 25.09.06
BASED ON FAS, UPDATED WITH NOIBLA AND WITH CAERNAP TO GHS
ADDITIONAL HEADINGS INSERTED FOR VERSION 5
SECTION 3 EXPANDED FOR VERSION 5a
REVIEWED AND REFORMATTED VERSION 6A