



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ROGAL

ISSUE 02

PAGE 01 OF 05

JANUARY 2017

1 PRODUCT AND COMPANY IDENTIFICATION:

CHEMICAL FAMILY: SYNTHETIC PYRETHROID PESTICIDE
PRODUCT DESCRIPTION: INSECTICIDE FOR CRAWLING INSECTS
MANUFACTURER: SASA TECH AGRICULTURE COOPERATIVE LTD.
KIBUTZ SASA - MOBILE POST MEROM HAGALIL (13870) ISRAEL
TEL. 04-6987720, FAX. 04-6987871

MARKETING: R.P.C. LTD. MOSHAV NES HARIM P.O.BOX 128 – 9988500
TEL.: 1-700-500-405

2 HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE:

TOXIC IF SWALLOWED
HARMFUL IF INHALED
IRRITATING TO EYES AND SKIN
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

2.2 LABEL ELEMENTS

PICTOGRAM

ACCORDING TO THE REVISED CRITERIA FOR CLASSIFICATION (INTRODUCED FOR 2009
UPDATE GHS CLASSIFICATION AND PICTOGRAMS ACCORDING TO ACUTE ORAL TOXICITY:

SYMBOLS:



N - Dangerous for the environment



Xi: Irritant



T-Poison

R- PHRASES:

R25: TOXIC IF SWALLOWED
R20: HARMFUL IF INHALED
R36/38: IRRITATING TO EYES AND SKIN
R51/53: TOXIC TO AQUATIC ORGANISM, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN
THE AQUATIC ENVIRONMENT.
R57: TOXIC TO BEES.

S- PHRASES:

S2: KEEP OUT OF REACH OF CHILDREN
S3: KEEP IN A COOL PLACE.
S20/21: WHEN USING DO NOT EAT, DRINK OR SMOKE.
S24/25: AVOID CONTACT WITH SKIN AND EYES.



2 HAZARDS IDENTIFICATION - CONTINUATION

S26: IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH A PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S28: AFTER CONTACT WITH SKIN WASH IMMEDIATELY WITH PLENTY OF SOAP AND WATER.

S29: DO NOT EMPTY INTO DRAINS.

S36/37: WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

S45: IN CASE OF ACCIDENT OF IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE)

S62: IF SWALLOWED DO NOT INDUCE VOMITING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

CONTAINS SUBSTANCES, WHICH ARE DANGEROUS FOR THE AQUATIC ENVIRONMENT. DO NOT RE-USE CONTAINER, KEEP TIGHTLY CLOSED IN A SAFE AREA. LOCAL REGULATIONS, IF ANY, SHOULD BE APPLIED TO CLASSIFICATION AND LABELLING.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS CONTRIBUTING TO THE HAZARD:

| | |
|-----------------------------|------------------|
| BIFENTHRIN | 9.60 % |
| CAS NUMBER: 82657-04-3 | |
| R-PHRASE: R20/21/22-R38-R43 | S-PHRASE: S60/61 |

4 FIRST AID MEASURES

GENERAL ADVICE: THE PRODUCT CONTAINS POISONOUS COMPONENTS TO KILL COCKROACHS, ANTS AND OTHER CRAWLING INSECTS. DO NOT SPRAY DIRECTLY ON PEOPLE.

INHALATION: REMOVE TO FRESH AIR; IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. OBTAIN MEDICAL ATTENTION.

CONTACT WITH SKIN: CONSULT A DOCTOR IN THE EVENT OF ANY COMPLAINTS. REMOVE ALL CONTAMINATED CLOTHING; WASH EXPOSED SKIN WITH PLENTY OF SOAP AND WATER.

SPLASHES IN EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRIGATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. ACTIVATED CARBON MAY BE GIVEN, IF THE SUBJECT HAD LOST CONSCIOUSNESS, DO NOT ADMINISTER ANYTHING BY MOUTH.

INFORMATION TO DOCTOR OR OTHER TRAINED PERSONS GIVING FIRST AID: NO SPECIFIC ANTIDOTE KNOWN. SYMPTOMATIC TREATMENT SHOULD BE GIVEN.



5 FIRE – FIGHTING MEASURES

NOT FLAMMABLE. IN CASE OF FIRE, USE WATER SPRAY, WATER FOG OR FOAM.
SPECIAL EXPOSURE HAZARDS: CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE, HF.
WEAR SUITABLE PROTECTIVE CLOTHIN SELF-CONTAINED BREATHING APPARATUS. MOVE CONTAINERS AWAY FROM FIRE WITHOUT RISK.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE PROTECTION.
SPLASH IN EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
ENVIRONMENTAL PRECAUTIONS: AVOID SOLID AND WATER CONTAMINATION. IN CASE OF PRODUCT DISPERSION, SOAK UP WITH SAND OR OTHER ABSORBENT MATERIAL.
METHODS FOR CLEANUP: SOAK WITH SAND OR OTHER ABSORBENT MATERIAL. COLLECT THOROUGHLY INTO SUITABLE CONTAINERS. RINSE THE POLLUTED AREA WITH WATER AND SUITABLE DETERGENTS. COLLECT WASTE WATERS FOR TREATMENT.
INGESTION DOES NOT INDUCE VOMITING. GET MEDICAL ATTENTION. SUPPLY ACTIVE CHARCOAL.

7 HANDLING AND STORAGE

HANDLING: WHEN USE DOES NOT EAT, DRINK OR SMOKE. WASH HANDS AND EXPOSED SKIN BEFORE MEALS AND AFTER WORKS.
STORAGE CONDITIONS: STABLE UNDER NORMAL ATMOSPHERIC CONDITIONS, WHEN STORED IN CLOSED CONTAINERS. KEEP AWAY FROM FOOD, DRINK, AND ANIMAL FEEDING STUFFS, PHARMACEUTICAL PRODUCTS, COSMETICS OR FERTILISER. KEEP OUT OF THE REACH OF CHILDREN. KEEP CONTAINER IN A WELL-VENTILATED PLACE. KEEP AT TEMPERATURE BELOW THAN 40 °C.
STORAGE CONDITIONS: AT LEAST 1 YEAR IF PROPERLY PACKED AND STORED.
RECOMMENDED PACKING MATERIAL: POLYETHYLENE. LINED STEEL
INCOMPATIBLE SUBSTANCES: SENSITIVE TO ALKALIS AND STRONG ACID.

8 EXPOSURE CONTROLS (PERSONAL PROTECTION)

WORKPLACE EXPOSURE LIMITS: TLV: NONE ESTABLISHED
INDUSTRIAL HYGIENE: WASH HANDS THOROUGHLY AFTER HANDLING. WASH CLOTHING BEFORE RE-USING.
PERSONAL PROTECTION: GLOVES FOR CHEMICAL PRODUCTS, AND RESPIRATORY PROTECTION IF WORKING IN CONFINED AREAS.
ALL THE USUAL PRECAUTIONS FOR HANDLING CHEMICAL PRODUCTS HAVE TO BE FOLLOWED.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: FLOWABLE
FORM / COLOR: BEIGE/CREAM.
ODOUR: SLIGHTLY AROMATIC
MELTING POINT: N/A
BOILING RANGE: N/A
FLASH POINT: NONE



9 PHYSICAL AND CHEMICAL PROPERTIES - CONTINUATION

DENSITY: LIQUID = 1.000 – 1.050 G/ML
VISCOSITY: N/A
PH VALUE: 5.0 – 5.5 AT 25 *C
SOLUBILITY IN WATER: FLOWABLE

10 STABILITY AND REACTIVITY

HAZARDOUS REACTIONS: UNKNOWN.
CONDITIONS TO AVOID: AVOID SPARK GENERATION AND FLAMES.
STABILITY: STABLE AT NORMAL CONDITIONS.
MATERIALS TO AVOID: OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION MAY LEAD TO HAZARDOUS CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE, HF, SMOKE

11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
LD50 ORAL (RAT): - CALCULATED 526 MG/KG
LD50 DERMAL (CALCULATED) > 5.000 MG/KG
LC50 INHALATION (CALCULATED) > 60.0 MG/L
SLIGHT DERMAL IRRITANT
UNLIKELY TO CAUSE HARMFUL EFFECTS WHEN HANDLED AND USED AS DIRECTED ON THE LABEL.
EYE IRRITANCY: MILD IRRITANT TO RABBIT EYES.
SKIN IRRITANCY: MODERATE IRRITANT TO RABBIT SKIN.
SENSITIZATION: IT IS NOT SKIN SENSITIZER IN ANIMAL TESTS.
NON TERATOGENIC, NON MUTAGENIC, NON CARCINOGENIC.





12 ECOLOGICAL INFORMATION

ECOTOXICITY: POISONOUS TO MARINE LIFE
PERSISTENCE IN THE ENVIRONMENT:
THE DATA BELOW ARE FOR BIFENTHRIN TECHNICAL
BIFENTHRIN
Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0,15 µg/l - 96,0 h
Toxicity to daphnia and other aquatic invertebrates. LC50 - Daphnia magna (Water flea) - 0,32 µg/l - 48 h
LD50 Birds (mg/kg): 1800 (Bobwhite quail) - > 2150 (Mallard duck)

13 DISPOSAL CONSIDERATION

PRODUCT: WASTES RESULTING FROM THE USE OF THIS PRODUCT MAY BE DISPOSED OF AN APPROVED WASTE DISPOSAL FACILITY.
EMPTY PACKAGING: DISPOSAL OR INCINERATION METHODS BASED ON STATE OR LOCAL CODES OF PRACTICE AND LAWS.

14 TRANSPORT INFORMATION:

| | |
|--|---|
| - ONU Number: 3082 - UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PYRETHRINS) | |
|  Class, Code, Group: 9 M6 III Hazard identification number: 90 LQ: 5 L Tunnel Restriction code: (E) |  Class, Code, Group: 9 M6 III Hazard identification number: 90 LQ: 5 L |
|  Class: 9 Packaging group: III EmS sheet: F-A, S-F Marine Pollutant: YES |  Class: 9 Hazard Label(s): Miscellaneous Packaging group: III Erg code: 9L Passenger and cargo: (LIMITED QUANTITY) P.I.: Y964; max net q.ty per pack: 30 kg G; Passenger and cargo: P.I.: 964; max net q.ty per pack: 450 L; Cargo only: P.I.: 964; max net q.ty per pack: 450 L. |

15 REGULATORY INFORMATION

THIS SAFETY DATASHEET COMPLIES WITH THE REQUIREMENTS OF REGULATION (EC) No. 1907/2006.

16 OTHER INFORMATION

THE MINISTRY OF ENVIRONMENT DETERMINED THAT THE USAGE OF THIS PRODUCT/ SUBSTANCE IN CONTRADICTION TO THE ENCLOSED INSTRUCTION MAY ENDANGER THE ENVIRONMENT AND PUBLIC HEALTH AND IS AGAINST THE LAW. READ THE LABEL BEFORE YOUR BUY. USE PESTICIDES SAFELY. THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET, IS AS ACCURATE POSSIBLE TO THE BEST OF SASATECH LTD. KNOWLEDGE AT THE TIME IT WAS COMPLIED, USERS ARE FURTHER REMINDER OF THE POSSIBLE RISKS OF USING A PRODUCT FOR PURPOSE OTHER THAN THOSE WHICH IT WAS INTENDED.

ISSUE 02
 JANUARY 2017
 SIGNED: BJT - TECHNICAL & CHEMICAL CONSULTANT