Material Safety Data Sheet

BENZOYL PEROXIDE moistured with 25% water (RXSOL-60-6604-053)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-053
Product Type	BENZOYL PEROXIDE (moistened with 25% water)
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

2.1. Substance : BENZOYL PEROXIDE (WITH 25% WATER)
CAS No : 94-36-0
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Self-Reactive Substances H242
and Mixtures, Type C
Serious eye damage/eye H319
irritation, Category 2
Sensitisation — Skin, H317
category 1
Full text of classification categories and H statements : see section 16
Classification according to Directive 67/548/EEC or 1999/45/EC
O; Xi; R36 R43 R1
Adverse physicochemical, human health and environmental effects
No additional information available
2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Extra labelling to displayExtra classification(s) to display
Symbol(s) : Xi : Irritation.

R Phrase(s): R2 : Risk of explosion by stock, friction, fire or other sources of ignition.
R36 : Irritating to eyes.
R43: May cause sensitization by skin contact.
S Phrase(s) : S3/7 : Keep container tightly closed in a cool place.
S14 : Keep away from…(Incompatible material to be indicated by the manufacturer).

S24: Avoid contact with skin
S36/37/39 : Wear suitable protective clothing and gloves & eye/face protecting.
Hazard pictograms



Signal word : Danger
Hazard statement : H242 - Heating may cause a fire
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
Precautionary statements : P220 - Keep away from clothing and other combustible materials
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
P410 - Protect from sunlight
P420 - Store separately
2.3. Other hazards
No additional information available

4. First Aid Measures

4.1. Description of first aid measures
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest
First-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after inhalation : May cause an allergic skin reaction.
Symptoms/injuries after eye contact : Causes serious eye irritation.
4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
Unsuitable extinguishing media : Do not use extinguishing media containing water.
5.2. Special hazards arising from the substance or mixture
Fire hazard : Heating may cause a fire.
Hazardous decomposition products in case of fire : Thermal decomposition generates : Toxic fumes may be released.
5.3. Advice for firefighters
Firefighting instructions : Fight fire remotely due to the risk of explosion.
DO NOT fight fire when fire reaches explosives. Evacuate area.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures : No naked lights. No smoking. Remove ignition sources.
Use special care to avoid static electric charges.
6.1.1. For non-emergency personnel
Emergency procedures : Evacuate unnecessary personnel.
6.1.2. For emergency responders
Protective equipment : Use personal protective equipment as required. Emergency procedures : Ventilate area.

6.2. Environmental precautions
Avoid release to the environment.
6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.
6.4. Reference to other sections
No additional information available

7. Handling and Storage

7.1. Precautions for safe handling
Additional hazards when processed : Hazardous waste due to potential risk of explosion.
Precautions for safe handling : Do not breathe vapours. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including any incompatibilities
Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep in fireproof place. Store in a well-ventilated place. Keep cool.
Incompatible materials : Heat sources. combustible materials.
7.3. Specific end use(s)
No additional information available

8. Exposure controls and personal protection

8.1. Control parameters
No additional information available
8.2. Exposure controls
Hand protection : Protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear respiratory protection

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : 103 - 104 °C
Freezing point : No data available
Boiling point : No data available
Flash point : 40 °C
Auto-ignition temperature : 80 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.334 g/cm³
Solubility : Water: Slightly soluble in water
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : Explosive when dry.
Oxidising properties : May intensify fire; oxidiser.

Explosive limits : No data available

9.2. Other information

No additional information available

10. Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Heating may cause a fire. Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Sparks. Open flame.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

12. Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ...

Additional information : Clean up even minor leaks or spills if possible without unecessary risk. Hazardous waste due to potential risk of explosion.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3104
UN-No. (IMDG) : 3104
UN-No.(IATA) : 3104
UN-No.(ADN) : 3104
UN-No. (RID) : 3104

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ORGANIC PEROXIDE TYPE C, SOLID
Proper Shipping Name (IMDG) : ORGANIC PEROXIDE TYPE C, SOLID
Proper Shipping Name (IATA) : ORGANIC PEROXIDE TYPE C, SOLID
Proper Shipping Name (ADN) : ORGANIC PEROXIDE TYPE C, SOLID
Proper Shipping Name (RID) : ORGANIC PEROXIDE TYPE C, SOLID
Transport document description (ADR) : UN 3104 ORGANIC PEROXIDE TYPE C, SOLID, 5.2, (D)
Transport document description (IMDG) : UN 3104 ORGANIC PEROXIDE TYPE C, SOLID, 5.2
Transport document description (IATA) : UN 3104 ORGANIC PEROXIDE TYPE C, SOLID, 5.2
Transport document description (ADN) : UN 3104 ORGANIC PEROXIDE TYPE C, SOLID, 5.2
Transport document description (RID) : UN 3104 ORGANIC PEROXIDE TYPE C, SOLID, 5.2

14.3. Transport hazard class(es)

ADR : Transport hazard class(es) (ADR) : 5.2 Danger labels (ADR) : 5.2
IMDG : Transport hazard class(es) (IMDG) : 5.2 Danger labels (IMDG) : 5.2
IATA : Transport hazard class(es) (IATA) : 5.2 Hazard labels (IATA) : 5.2
ADN : Transport hazard class(es) (ADN) : 5.2 Danger labels (ADN) : 5.2
RID : Transport hazard class(es) (RID) : 5.2 Danger labels (RID) : 5.2

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : P1
Special provision (ADR) : 122, 274
Limited quantities (ADR) : 100g
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P520
Mixed packing provisions (ADR) : MP4
Transport category (ADR) : 1
Special provisions for carriage – Packages (ADR) : V1
Special provisions for carriage - Loading,
unloading and handling (ADR) : CV15, CV20, CV22, CV24
Special provisions for carriage – Operation (ADR) : S8, S18
Tunnel restriction code (ADR) : D
EAC code : 1WE

Transport by sea

Special provision (IMDG) : 122, 195, 274
Limited quantities (IMDG) : 100 g
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P520

EmS-No. (Fire) : F-J
EmS-No. (Spillage) : S-R
Stowage category (IMDG) : D
Stowage and handling (IMDG) : SW1
Segregation (IMDG) : SG35, SG36
MFAG-No : 146

Air transport
PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : 570
PCA max net quantity (IATA) : 5kg
CAO packing instructions (IATA) : 570
CAO max net quantity (IATA) : 10kg
Special provision (IATA) : A20, A150
ERG code (IATA) : 5L
Inland waterway transport
Classification code (ADN) : P1
Special provisions (ADN) : 122, 274
Limited quantities (ADN) : 100 g
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

Rail transport
Classification code (RID) : P1
Special provision (RID) : 122, 274
Limited quantities (RID) : 100g
Excepted quantities (RID) : E0
Packing instructions (RID) : P520
Mixed packing provisions (RID) : MP4
Transport category (RID) : 1
Special provisions for carriage – Packages (RID) : W7
Special provisions for carriage – Loading
and unloading (RID) : CW22, CW24, CW29
Colis express (express parcels) (RID) : CE10
Hazard identification number (RID) : 539
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
No REACH Annex XVII restrictions Benzoyl peroxide is not on the REACH Candidate List
Benzoyl peroxide is not on the REACH Annex XIV List
15.1.2. National regulations
Germany
AwSV/VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to
water (Classification according to
VwVwS, Annex 2; WGK No 1100)
12th Ordinance Implementing the Federal
Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Denmark
Class for fire hazard : Class II-1
Store unit : 5 liter
Classification remarks : R10 ; Emergency management guidelines
for the storage of flammable liquids must be followed
Recommendations Danish Regulation : Young people below the age of 18 years are not
allowed to use the product
15.2. Chemical safety assessment
No additional information available

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
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