Material Safety Data Sheet

N-N-DIMETHYLACETAMIDE LR (RXSOL-60-6605-118)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-118
Product Type	N,N-DIMETHYLACETAMIDE Acetdimethylamide
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / informationon ingredients

2.1. Substance : N,N-DIMETHYL ACETAMIDE AR
CAS No : 127-19-5
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]
Reproductive toxicity, H360D Category 1B Acute toxicity (dermal), H312
Category 4 Acute toxicity (inhal.), H332
Category 4 Classification according to Directive 67/548/EEC or 1999/45/EC
Adverse physicochemical, human health and environmental effects
No additional information available
3.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Extra labelling to displayExtra classification(s) to display
Symbol(s) : T : Very toxic
R Phrase(s) : R61: May cause harm to unborn child.
R20/21: Harmful by inhalation and in contact with skin.
S Phrase(s) : S53: Avoid exposure – obtain special instruction before use.
S45: In case of accident or if you feel unwell, seek medical advice immediately
(show the label where possible).
Hazard pictograms

Signal word: Danger
Hazard statements : H312+H332 - Harmful in contact with skin or if inhaled
H360D - May damage the unborn child Precautionary statements : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 - IF ON SKIN: Wash with plenty of water/…
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P308+P313 - IF exposed or concerned: Get medical advice/attention
P312 - Call a POISON CENTER/doctor/… if you feel unwell P321 - Specific treatment (see ... on this label)
P362+P364 - Take off contaminated clothing and wash it before reuse
P405 - Store locked up P501 - Dispose of contents/container to ...
3.3. Other hazards
This substance/mixture does not meet the PBT criteria of REACH
regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

4. First Aid Measures

4.1. Description of first aid measures
First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
Give oxygen or artificial respiration if necessary.
If you feel unwell, seek medical advice.
First-aid measures after
skin contact : Immediately call a POISON CENTER or doctor/physician. Specific measures (see ... on this label).
Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Remove contact lenses,
if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.
If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries : May damage the unborn child. Symptoms/injuries after
skin contact : Repeated exposure to this material can result in absorption through
skin causing significant health hazard. Harmful in contact with skin.
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 : dry chemical powder, alcohol-resistant foam, carbon dioxide
(CO2). Unsuitable extinguishing media : Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
No additional information available
5.3. Advice for firefighters
Protection during firefighting : Do not attempt to take
action without suitable protective equipment.

6. Accidental Release Measures

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

7. Handling and Storage

7.1. Precautions for safe handling
Precautions for safe handling : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Hygiene measures : Wash hands and other exposed areas with mild soap and
water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Store in original container.
Keep container tightly closed. Store in a dry place.
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 : 4 at 200 g/l at 20 °C
Relative evaporation rate (butylacetate=1) : 0.17
Melting point : -20 °C
Freezing point : No data available
Boiling point : 164.5 - 166
Flash point : 70 °C
Auto-ignition temperature : 4900 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 1.5
mm Hg at 20 °C
Relative vapour density at 20 °C : 3.01
Relative density : No data available
Density : 0.94 g/cm³
Solubility : Water: Completely miscible
Log Pow : 0.77
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : 0.018 - 0.115 vol %
9.2. Other information
No additional information available

10. Stability and reactivity

10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid Direct sunlight.
Overheating. Open flame. Heat. Sparks.
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 : Dermal: Harmful in contact with skin.
Inhalation: Harmful if inhaled.
Skin corrosion/irritation : Not classified
pH: 4 at 200 g/l at 20 °C
Serious eye damage/irritation : Not classified
pH: 4 at 200 g/l at 20 °C
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : May damage the unborn child.
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential adverse human health effects and
symptoms : Harmful in contact with skin.

12. Ecological information

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
Log Pow 0.77
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
This substance/mixture does not meet the PBT
criteria of REACH regulation, annex XIII This substance/mixture
does not meet the vPvB criteria of REACH regulation, annex XIII
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 ...

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No.(IATA) : Not applicable
UN-No.(ADN) : Not applicable
UN-No. (RID) : Not applicable
14.2. UN proper shipping name
Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable
14.3. Transport hazard class(es)
ADR- Transport hazard class(es) (ADR) : Not applicable
IMDG- Transport hazard class(es) (IMDG) : Not applicable
IATA- Transport hazard class(es) (IATA) : Not applicable
ADN- Transport hazard class(es) (ADN) : Not applicable
RID- Transport hazard class(es) (RID) : Not applicable
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- No data available
Transport by sea- No data available
Air transport- No data available
Inland waterway transport- No data available
Rail transport- No data available
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
N,N-dimethylacetamide is on the REACH Candidate List
N,N-DIMETHYL ACETAMIDE AR is not on the REACH Annex XIV List

15.1.2. National regulations
Germany
AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water (KBwS-Beschluss; WGK No 1289)
12th Ordinance Implementing the Federal
Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Denmark
Class for fire hazard : Class III-1 Store unit : 50 liter
Classification remarks : Flammable according to the Danish Ministry of Justice;
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 Pregnant/breastfeeding women working with the
product must not be in direct contact with the product The requirements from the Danish
Working Environment Authorities regarding work with carcinogens must be followed during use and disposal
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. In accordance with REACH
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