



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

HATCOL ® 2812

Version 1.0

Revision Date 20.06.2012

Print Date 22.08.2013

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : HATCOL ® 2812

Substance name : H2812

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Lubricant

Recommended restrictions on use : For industrial use only.

1.3 Details of the supplier of the safety data sheet

Company: Chemtura Manufacturing UK Limited
Tenax Road, Trafford Park
Manchester
United Kingdom
M17 1WT

Customer Service: +44 161 875 3800
Prepared by: msdsrequest@chemtura.com

Further information for the safety data sheet :
msdsrequest@chemtura.com

1.4 Emergency telephone number

Emergency telephone number: +44 (0) 1235 239 670 (NCEC)
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.



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Chronic aquatic toxicity, Category 3

H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Sensitising
Dangerous for the environment

R43: May cause sensitization by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Warning

Hazard statements

: H317
H412

May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**
P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273
P280

Avoid release to the environment.
Wear protective gloves.

Response:
P333 + P313

If skin irritation or rash occurs: Get medical advice/ attention.

P363

Wash contaminated clothing before reuse.

Disposal:
P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 90-30-2 N-1-naphthylaniline

2.3 Other hazards

Do not handle until all safety precautions have been read and understood.

3. Composition/information on ingredients

3.2 Mixtures



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Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1 270-128-1	R53	Aquatic Chronic 3; H412	< 10
N-1-naphthylaniline	90-30-2 201-983-0	Xn; R22 Xi; R43 N; R50/53	Acute Tox. 4; H302 Aquatic Acute 1; H400 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Chronic 1; H410	>= 1 - < 2,5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed



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Symptoms : sensitising effects

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water mist
Dry powder
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry sand

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Full protective flameproof clothing

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up



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Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : Raw material for industry

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : Polyvinyl alcohol or nitrile- butyl-rubber gloves



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The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : oilyliquid

Colour : clear

Odour : No information available.

Odour Threshold : No information available.

Flash point : No information available.

Ignition temperature : No information available.

Lower explosion limit : No information available.

Upper explosion limit : No information available.

Flammability (solid, gas) : No information available.

Autoignition temperature : No information available.

pH :



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Melting point/range : not applicable
: Note: not applicable

Boiling point/boiling range : Note: no data available

Vapour pressure :
no data available

Density : No information available.

Water solubility : <1 g/l
slightly soluble

Partition coefficient: n-
octanol/water : No information available.

Solubility in other solvents : No information available.

Relative vapour density : No information available.

Evaporation rate : No information available.

9.2 Other information

Oxidising potential : Note: No information available.

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Conditions to avoid : Contamination
Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents
Strong acids and strong bases

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon oxides
nitrogen oxides (NOx)
Oxides of phosphorus



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11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Acute oral toxicity
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : LD50: > 2.000 mg/kg
Species: rat
Method: OECD Test Guideline 401

N-1-naphthylaniline : LD50: 1.625 mg/kg
Species: rat

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : LD50: > 2.000 mg/kg
Species: rat
N-1-naphthylaniline : LD50 Dermal: > 5.000 mg/kg
Species: rabbit

Skin corrosion/irritation

Skin irritation : Remarks: According to the classification criteria of the
European Union, the product is not considered as being a skin
irritant.

Skin irritation
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : Species: rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

N-1-naphthylaniline : Species: rabbit
Result: No skin irritation
Method: Draize Test

Serious eye damage/eye irritation

Eye irritation : Remarks: According to the classification criteria of the
European Union, the product is not considered as being an



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eye irritant.

Eye irritation

Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : Species: rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

N-1-naphthylaniline : Species: rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitization

Sensitisation : Remarks: Causes sensitization.

Sensitisation

Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : Species: guinea pig
Classification: Did not cause sensitization on laboratory
animals.
Method: OECD Test Guideline 406

N-1-naphthylaniline : Maximisation Test
Species: guinea pig
Classification: May cause sensitization by skin contact.
Result: May cause sensitization by skin contact.

Patch Test

Species: Human
Classification: May cause sensitization by skin contact.
Result: May cause sensitization by skin contact.

Germ cell mutagenicity

N-1-naphthylaniline : Ames test
Result: negative

Chinese Hamster Ovary (CHO)
Result: negative

Genotoxicity in vivo

N-1-naphthylaniline : in vivo assay
Species: mouse
Result: negative

Mutagenicity Assessment

Remarks : Not classified due to lack of data.



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Carcinogenicity Assessment

Remarks : Not classified due to lack of data.

Reproductive toxicity Assessment

Remarks : Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure

: Remarks: Not classified due to lack of data.

Target Organ Systemic Toxicant - Repeated exposure

: Remarks: Not classified due to lack of data.

Aspiration hazard

Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment

Further information : The product itself has not been tested.

12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
no data available

Toxicity to fish
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : LC50: > 71 mg/l
Exposure time: 96 h
Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

N-1-naphthylaniline : LC50: 0,44 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
semi-static test Analytical monitoring: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)



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N-1-naphthylaniline : NOEC: 0,02 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Analytical monitoring: yes

12.2 Persistence and degradability

Biodegradability : Result: no data available

Biodegradability
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : Result: According to the results of tests of biodegradability this
product is not readily biodegradable.
Method: CO2 Evolution Test

N-1-naphthylaniline : aerobic
Result: According to the results of tests of biodegradability this
product is not readily biodegradable.
0 %
Method: OECD Test Guideline 301

12.3 Bioaccumulative potential

Bioaccumulation : Remarks:
no data available

Bioaccumulation
N-1-naphthylaniline : Species: Cyprinus carpio (Carp)
Exposure time: 56 d
Temperature: 25 °C
Concentration: 0,1 mg/l
Bioconcentration factor (BCF): 427 - 2.730

12.4 Mobility in soil

Mobility : Remarks:
no data available

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Additional ecological
information : An environmental hazard cannot be excluded in the event of
unprofessional handling or disposal.
Harmful to aquatic organisms, may cause long-term adverse



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effects in the aquatic environment.
The product itself has not been tested.

Additional ecological information

Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene : Harmful to aquatic organisms, may cause long-term adverse
effects in the aquatic environment.
Do not allow material to contaminate ground water system.
Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water
courses or the soil.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Dispose of as hazardous waste in compliance with local and
national regulations.
Dispose of wastes in an approved waste disposal facility.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

14. Transport information

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID
Not dangerous goods

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Candidate List of Substances : This product does not contain substances of very high



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of Very High Concern for Authorisation : concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Water contaminating class (Germany) : WGK 2 water endangering

Notification status

US.TSCA : On TSCA Inventory
DSL : All components of this product are on the Canadian DSL list.
AICS : On the inventory, or in compliance with the inventory
NZIoC : Not in compliance with the inventory
ENCS : On the inventory, or in compliance with the inventory
KECI : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

No information available.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R22 Harmful if swallowed.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Further information



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Carechem24 International Worldwide Coverage - Chemtura Corporation

Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285
	Vietnam	+65 3158 1255
	India	+65 3158 1198
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Bangladesh	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States / Canada	001866 928 0789
<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
	Mexico	+52 555 004 8763

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