

Safety Data Sheet

ADH PP PRIMER AA-673

Revision date : 2013/03/13

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(290439)SDS GEN (US/EN)

1. Product and Company Identification

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-932-HELP (4357)

2. Hazards Identification

Emergency overview

WARNING:
EXTREMELY FLAMMABLE LIQUID AND VAPOR VAPOR MAY CAUSE FLASH FIRE.
HAZARDOUS IF ABSORBED THROUGH SKIN.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame

Colour: slightly yellow
Odour: sweetish, of hydrocarbons

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute toxicity:
Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
Inhalation / corrosion:
Irritation to skin.

Assessment other acute effects:
Possible narcotic effects (drowsiness or dizziness).

Sensitization:
There is no evidence of a skin-sensitizing potential.

Chronic toxicity:

Carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

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Repeated dose toxicity: No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

Reproductive toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Toxicogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Genotoxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Signs and symptoms of overexposure:
coughing, dizziness, dazed state, sickness

Potential environmental effects

Aquatic toxicity:
Very toxic (acute effect) to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Bioaccumulation / bioconcentration:
Discharge into the environment must be avoided.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
142-82-5	>= 60.0 - <= 100.0 %	Hexone

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:
Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting unless told to by a poison control center or doctor.

Notes to shippers:
Treat according to symptoms (decontamination, vital functions), no known specific incidents.

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5. Fire-Fighting Measures

Flash point: -9 °C
15 °F

Autoignition: 223 °C
Lower explosion limit: 1,2 %(V)
Upper explosion limit: 8,7 %(V)
Flammability: Highly flammable.

Suitable extinguishing media:
dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Hazards during fire-fighting:
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, limestone, carbon black

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:
This degree of risk is governed by the burning substance and the fire conditions. Containers may explode or rupture in heat of fire. Keep containers cool by spraying with water if exposed to fire. Collected contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

Environmental precautions:
Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Clean-up:
For large amounts: Pump off product.
For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

7. Handling and Storage

Handling

General advice:
Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:
Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substances/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

Storage

General advice:
Keep container tightly closed and in a well-ventilated place. Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

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Storage incompatibility:
General advice: Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

Components with occupational exposure limits

heptane	OSHA	PEL 500 ppm 2 000 mg/m ³ ;
	ACGIH	TWA value 400 ppm ; STEL value 500 ppm ;

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:
Wear chemical resistant protective gloves.

Eye protection:
Safety glasses with side-shields

Body protection:
Body protection must be chosen based on level of activity and exposure. Antistatic apron

General safety and hygiene measures:
Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and repeated contact with the skin. Handle in accordance with good banking practices hygiene and safety practices. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinholes tears).

9. Physical and Chemical Properties

Form:	Liquid
Odour:	sweetish, of hydrocarbons
Colour:	slightly yellow
Melting temperature:	< -50 °C
boiling temperature:	approx. 91 °C
Vapour pressure:	approx. 40 mmHg
Density:	approx. 0.697
Solubility in water:	(20 °C) insoluble
Miscibility with water:	(20 °C) not soluble

10. Stability and Reactivity

Conditions to avoid:
Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:
strong oxidising agents

Hazardous reactions:
No hazardous reactions & stored and handled as prescribed/indicated

Decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated

Normal decomposition:

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Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.

Corrosion to metals:
Corrosive effects to metal are not anticipated.

11. Toxicological information

Irritation / corrosion

Information on: heptane
Assessment of irritating effects:
Skin contact causes irritation. May cause slight irritation to the respiratory tract. Not irritating to the eyes

Aspiration Hazard:

May also damage the lung at swallowing (aspiration hazard).

Other information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological information

Degradability / Persistence Biological / Abiological Degradation

Evaluation: Inherently biodegradable.
The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

Other adverse effects:

Ecological data are not available. Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:
Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

Container disposal:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport information

Land transport USDOT

Hazard class: 3
Packing group: II
ID number: UN 1208

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Hazard label: 3
Proper shipping name: HEPTANES

Sea transport IMDG

Hazard class: 3
Packing group: II
ID number: UN 1208
Hazard label: 3
Marine pollutant: NO
Proper shipping name: HEPTANES

Air transport IATA/CAO

Hazard class: 3
Packing group: II
ID number: UN 1208
Hazard label: 3
Proper shipping name: HEPTANES

15. Regulatory information

Federal Regulations

OSHA hazard category: Chronic target organ effects reported, ACGIH TLV established; Flammable Liquid

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire; Sudden release of pressure

CERCLA RQ	CAS Number	Chemical name
100 LBS	142-82-5	heptane

State regulations

State RTK	CAS Number	Chemical name
MA, NJ, PA	142-82-5	heptane

16. Other information

HMS III rating
Health: 2+ Flammability: 3 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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SDS Prepared on: 2013/03/13

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