Safety Data Sheet
SONNEBORN 200 ADH

1. Product and Company Identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

DANGER:
EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE.
HARMFUL IF INHALED.
HARMFUL IF SWALLOWED.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
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.
Contains a reproductive toxin.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid
Colour: beige
Odour: alcohol-like

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 liquified gases.

Acute toxicity:
Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Aspiration may result in chemical pneumonitis, which may be fatal.

Irritation / corrosion:
Irritating to eyes, respiratory system and skin.

Chronic toxicity:

Reproductive toxicity: Contains a reproductive toxin.

Potential environmental effects

Aquatic toxicity:
The product has not been tested.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
110-54-3	>= 15.0 - <= 40.0 %	n-hexane
67-63-0	>= 0.5 - <= 1.5 %	2-Propanol

4. First-Aid Measures

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

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
After contact with skin, wash immediately with plenty of water and soap. 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 immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-Fighting Measures

Flash point:	< 0 °F	
Autoignition:		No data available.
Lower explosion limit:	1.2 %(V)	
Upper explosion limit:	7.5 %(V)	

Suitable extinguishing media:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

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

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:
For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

7. Handling and Storage

Handling

General advice:
Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:
Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

General advice:
Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

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

8. Exposure Controls and Personal Protection

Components with workplace control parameters

2-Propanol	OSHA	PEL 400 ppm 980 mg/m3 ;
	ACGIH	TWA value 200 ppm ; STEL value 400 ppm ;
n-hexane	OSHA	PEL 500 ppm 1,800 mg/m3 ;
	ACGIH	TWA value 50 ppm ; Skin Designation ; The substance can be absorbed through the skin.

Advice on system design:
Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:
When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection:
Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Tightly fitting safety goggles (chemical goggles).

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

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. 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. pinhole leaks).

9. Physical and Chemical Properties

Form:	paste	
Odour:	alcohol-like	
Colour:	beige	
pH value:		not applicable
Boiling point:	143 °F 61.67 °C	
Vapour pressure:		The product has not been tested.
Density:	1.19 g/cm3	(20 °C)
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Solubility in water:		insoluble
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous reactions:
The product is stable if stored and handled as prescribed/indicated.

Decomposition products:
Thermal decomposition products: carbon oxides

Oxidizing properties:
Based on its structural properties the product is not classified as oxidizing.

11. Toxicological information

Acute toxicity

Information on: 2-Propanol
Assessment of acute toxicity:
If used as intended, this product is not expected to present a physical or health hazard.
Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. High concentrations in the air may cause narcosis. Of low toxicity after single ingestion.

Irritation / corrosion

Information on: 2-Propanol

Assessment of irritating effects:
Not irritating to the skin. Eye contact causes irritation.

Repeated dose toxicity

Information on: n-hexane
Assessment of repeated dose toxicity:
Repeated inhalation exposure may affect certain organs.

Reproductive toxicity

Information on: n-hexane
The results of animal studies suggest a fertility impairing effect. The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. EU-classification
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Aspiration Hazard:

May be harmful if swallowed and enters airways.

12. Ecological Information

Fish

Information on: n-hexane
Acute:
Flow through.
Pimephales promelas/LC50 (96 h): 2.5 mg/l

Aquatic invertebrates

Information on: n-hexane
Acute:
Daphnia test acute static
Daphnia magna/LC50 (48 h): 3.88 mg/l
The product is highly volatile. Tested in a closed test system.
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13. Disposal considerations

Waste disposal of substance:
Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with national, state and local regulations.
Dispose of in accordance with national, state and local regulations.

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 1133
Hazard label:	3
Proper shipping name:	ADHESIVES

Sea transport
IMDG

Hazard class:	3
Packing group:	II
ID number:	UN 1133
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	ADHESIVES

Air transport
IATA/ICAO

Hazard class:	3
Packing group:	II
ID number:	UN 1133
Hazard label:	3
Proper shipping name:	ADHESIVES

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

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

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire

EPCRA 313:

CAS Number	Chemical name
110-54-3	n-hexane
67-63-0	2-Propanol

CERCLA RQ	CAS Number	Chemical name
5000 LBS	110-54-3	n-hexane
100 LBS	67-63-0	2-Propanol

State regulations

State RTK	CAS Number	Chemical name
MA, NJ, PA	110-54-3	n-hexane
MA, NJ, PA	67-63-0	2-Propanol

16. Other Information

HMIS 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.

MSDS Prepared by:
BASF NA Product Regulations
msds@basf.com

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END OF DATA SHEET