Safety Data Sheet
TraficGuard EP 35 PTB

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:
HARMFUL IF SWALLOWED.
MAY BE HARMFUL IF INHALED.
MAY CAUSE BURNS.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.

State of matter: liquid
Colour: black
Odour: amine-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.

Irritation / corrosion:
Causes burns.

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

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
84852-15-3	>= 40.0 - <= 70.0 %	Phenol, 4-nonyl-, branched
9046-10-0	>= 15.0 - <= 40.0 %	alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethanediyl))
90-72-2	>= 7.0 - <= 13.0 %	2,4,6-tris(dimethylaminomethyl)phenol
2579-20-6	>= 5.0 - <= 10.0 %	1,3-Cyclohexanedimethanamine

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. Immediately 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.

5. Fire-Fighting Measures

Flash point:	> 93.34 °C	(calculated)
Autoignition:	approx. 240 °C	Literature data.

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

Unsuitable extinguishing media for safety reasons:
water jet

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

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. 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. 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:
Keep away from sources of ignition - No smoking. Keep container tightly sealed. Handle and open container with care.

Protection against fire and explosion:
The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.

Storage

General advice:
Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing.

8. Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:
Wear chemical resistant protective gloves., Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:
Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:
Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. 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:	liquid	
Odour:	amine-like	
Colour:	black	
pH value:	12 - 13	(25 °C)
Boiling point:	> 200 °C	
Density:	approx. 0.95 g/cm3 7.95 lb/USg	(25 °C)
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Solubility in water:		insoluble

10. Stability and Reactivity

Conditions to avoid:
See MSDS section 7 - Handling and storage.

Substances to avoid:
zinc, aluminium, oxidizing agents, strong alkalies, acids

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

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

Oxidizing properties:
Unknown

11. Toxicological information

Acute toxicity

Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))
Assessment of acute toxicity:
Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion.

Information on: 2,4,6-tris(dimethylaminomethyl)phenol
Assessment of acute toxicity:
Of moderate toxicity after single ingestion. EU-classification
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Irritation / corrosion

Information on: Phenol, 4-nonyl-, branched
Assessment of irritating effects:
Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))
Assessment of irritating effects:
Corrosive! Damages skin and eyes.

Information on: 2,4,6-tris(dimethylaminomethyl)phenol
Assessment of irritating effects:
Eye contact causes irritation. Skin contact causes irritation.

Reproductive toxicity

Information on: Phenol, 4-nonyl-, branched
The results of animal studies suggest a fertility impairing effect.

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Aquatic toxicity

Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))

Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms. Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated sludge are possible.

Other adverse effects:

Acutely toxic for aquatic organisms. Do not allow to enter soil, waterways or waste water channels. The product has not been tested. The statement has been derived from the properties of the individual components.

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:	8
Packing group:	II
ID number:	UN 3145
Hazard label:	8, EHSM
Proper shipping name:	ALKYLPHENOLS, LIQUID, N.O.S. (contains NONYLPHENOLE)

Sea transport
IMDG

Hazard class:	8
Packing group:	II
ID number:	UN 3145
Hazard label:	8, EHSM
Marine pollutant:	YES
Proper shipping name:	ALKYLPHENOLS, LIQUID, N.O.S. (contains NONYLPHENOLE)

Air transport
IATA/ICAO

Hazard class:	8
Packing group:	II
ID number:	UN 3145
Hazard label:	8
Proper shipping name:	ALKYLPHENOLS, LIQUID, N.O.S. (contains NONYLPHENOLE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category: No data available.;

EPCRA 311/312 (Hazard categories): Not hazardous;

State regulations

CA Prop. 65:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. Other Information

HMIS III rating
Health: 3 Flammability: 1 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.

BASF supports 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.

Local Contact Information
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