

1. IDENTIFICATION

PRODUCT IDENTIFIER:

PRODUCT NAME Polyurea AR-3400

OTHER MEANS OF IDENTIFICATION: N/A

INTENDED USE OF THE PRODUCT:

USE OF SUBSTANCE/MIXTURE: High performance coating for spray application. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

NAME, ADDRESS & TELEPHONE
OF SUPPLIER

SPRAYROQ

Company

2870 Crestwood Blvd
Irondale, AL 35210
(205)957-0020
Sprayroq.com

CREATIVE POLYMER SOLUTIONS

Manufacturer

3127 Messer Airport Hwy
Birmingham, AL 35222
(205) 440-4996

Emergency:

CHEMTREC +1-900-424-93000

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS US CLASSIFICATION IN ACCORDANCE WITH: (US) OSHA (29 CFR 1910.1200):

ACUTE TOXICITY, ORAL, CAT. 4

EYE DAMAGE/IRRITATION, CAT. 1

SKIN CORROSION/IRRITATION, CAT. 1B

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE), CAT. 2

GHS-US LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER



HAZARD STATEMENTS:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H373	May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS:

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands, forearms, and other exposed areas thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+312	IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor
P314	Get medical advice/attention if you feel unwell
P363	Wash contaminated clothing before reuse
P405	Store locked up
P501	Dispose of contents/container in accordance with local, regional, national, and international regulations

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

Exposure may aggravate pre-existing eye, skin, or respiratory conditions

STATEMENT REGARDING INGREDIENTS OF UNKNOWN TOXICITY:

Up to 3 % of the mixture consists of ingredient(s) of unknown acute toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE:

Not applicable.

MIXTURES:

	CONCENTRATION
Polyoxypropylenediamine (CAS no.: 9046-10-0)	60 - 80 % (weight)
Diethylmethylbenzenediamine (CAS no.: 68479-98-1)	15 - 40 % (weight)

**The specific chemical identities and/or actual concentrations for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).*



4. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST-AID MEASURES

GENERAL ADVICE:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

IF INHALED:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention.

IN CASE OF SKIN CONTACT:

Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.

IN CASE OF EYE CONTACT:

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

IF SWALLOWED:

Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

IF INHALED:

May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. Severe tissue damage may occur due to the corrosive nature of the product.

IN CASE OF SKIN CONTACT:

Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

IN CASE OF EYE CONTACT:

Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

IF SWALLOWED:

Harmful if swallowed. May cause gastrointestinal irritation and other adverse effects. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. Severe tissue damage may occur due to the corrosive nature of the product.

CHRONIC SYMPTOMS:

May cause damage to organs through prolonged or repeated exposure



INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Hazardous combustion products: Carbon oxides, nitrogen oxides, and other hazardous fumes and gases.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

FURTHER INFORMATION:

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

GENERAL MEASURES:

Use personal protective equipment as described in Section 8. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

ENVIRONMENTAL PRECAUTIONS:

Do not release into the environment. Stop spill/release if it can be done safely.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

FOR CONTAINMENT:

Contain spilled material if possible. Soak up with inert absorbent material and dispose of in accordance with local and national regulations. Keep in suitable containers for disposal.

REFERENCE TO OTHER SECTIONS:

For disposal see section 13.



7. HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Use personal protective equipment as described in Section 8. For precautions see section 2.2.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE CONDITIONS:

Keep container tightly closed in a dry, cool, and well-ventilated place.

SPECIFIC END USE(S):

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS:

No applicable occupational exposure limits.

APPROPRIATE ENGINEERING CONTROLS:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

PICTOGRAMS:



EYE/FACE PROTECTION:

Safety glasses. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Ensure that eyewash stations and/or safety showers are close to the workstation location.

SKIN PROTECTION:

Wear protective gloves. Consult manufacturer specifications for further information.

BODY PROTECTION:

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



RESPIRATORY PROTECTION:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

THERMAL HAZARDS:

No data available.

ENVIRONMENTAL EXPOSURE CONTROLS:

Do not let product enter drains.

9. PHYSICAL & CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance/form (physical state, color, etc.)	Onyx black, space gray, and tan liquid.
Odor	Slight amine odor.
Odor Threshold	No data available
pH	9
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Density	8.4 lbs/gal
Solubility(ies)	No data available
Partition Coefficient: N-Octanol/Water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	350-450 cP
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

OTHER SAFETY INFORMATION:

No data available.



10. STABILITY & REACTIVITY

REACTIVITY:

Stable under normal conditions.

CHEMICAL STABILITY:

Stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

No data available.

CONDITIONS TO AVOID:

Keep away from direct sunlight, heat and sources of ignition.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents, strong acids, strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous combustion products: Carbon oxides, nitrogen oxides, and other hazardous fumes and gases.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

IF INHALED:

May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. Severe tissue damage may occur due to the corrosive nature of the product.

IN CASE OF SKIN CONTACT:

Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

IN CASE OF EYE CONTACT:

Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

IF SWALLOWED:

Harmful if swallowed. May cause gastrointestinal irritation and other adverse effects. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. Severe tissue damage may occur due to the corrosive nature of the product.

CHRONIC SYMPTOMS:

May cause damage to organs through prolonged or repeated exposure.



ACUTE TOXICITY

Harmful if swallowed.

COMPONENTS

Polyoxypropylenediamine (CAS no.: 9046-10-0)

LD50 (oral) - rat - 475 mg/kg

LD50 (skin) - 2173 mg/kg

LC50 (inhalation) - rat - > 0.74 mg/l (8h)

Diethylmethylbenzenediamine (CAS no.: 68479-98-1)

LD50 (oral) - rat - 738 mg/kg

LD50 (skin) - rat - > 2000 mg/kg

SKIN CORROSION/IRRITATION:

Causes severe skin burns.

SERIOUS EYE DAMAGE/IRRITATION:

Causes serious eye damage.

RESPIRATORY OR SKIN SENSITIZATION:

No data available.

GERM CELL MUTAGENICITY:

No data available.

CARCINOGENICITY:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

REPRODUCTIVE TOXICITY:

No data available.

STOT-SINGLE EXPOSURE:

No data available.

STOT-REPEATED EXPOSURE:

May cause damage to organs through prolonged or repeated exposure.

ASPIRATION HAZARD:

No data available.

ADDITIONAL INFORMATION:

No data available.



12. ECOLOGICAL INFORMATION

TOXICITY

GENERAL:

No data available on product.

PERSISTENCE AND DEGRADABILITY:

No data available on product.

BIOACCUMULATIVE POTENTIAL:

No data available on product.

MOBILITY IN SOIL:

No data available.

RESULTS OF PBT AND VPVB ASSESSMENT:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

OTHER ADVERSE EFFECTS:

No data available.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

DISPOSAL OF THE PRODUCT:

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

DISPOSAL OF CONTAMINATED PACKAGING:

Dispose of as unused product.



14. TRANSPORT INFORMATION

DOT (US)

UN NUMBER: 2735
CLASS: 8
PACKING GROUP: III
PROPER SHIPPING NAME: Amines, liquid, corrosive, N.O.S. (Polyoxypropylenediamine)

IMDG

UN NUMBER: 2735
CLASS: 8
PACKING GROUP: III
PROPER SHIPPING NAME: Amines, liquid, corrosive, N.O.S. (Polyoxypropylenediamine)

IATA

UN NUMBER: 2735
CLASS: 8
PACKING GROUP: III
PROPER SHIPPING NAME: Amines, liquid, corrosive, N.O.S. (Polyoxypropylenediamine)

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION

SARA 302 COMPONENTS:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 HAZARDS:

Acute Health Hazard, Chronic Health Hazard.

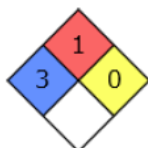
SARA 313 COMPONENTS:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

HMIS RATING

Polyurea 3100	
HEALTH	3*
FLAMMABILITY	1
PHYSICAL HAZARD	0

NFPA RATING





16. OTHER INFORMATION

FURTHER INFORMATION/DISCLAIMER

DATE OF ISSUE:
February 2025.

DISCLAIMER: *The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.*