

# SAFETY DATA SHEETS

## NP861A, Single Component Liquid Additive (Accelerator)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME/CODES:** NP861A accelerator

**MANUFACTURER:** National Polymers Inc.

**STREET ADDRESS:** 9 Guttman Avenue

**CITY, STATE, ZIP:** Charleroi, Pa. 15022

**INFORMATION PHONE:** 724-483-9300

**EMERGENCY PHONE:** Chemtrec 800-424-9300

**FAX PHONE:** 724-483-9306

**PREPARED BY:** Harry Jackson

**DATE REVISED:** 4/1/16

**Chemical Name or Class:** Urethane accelerator

### SECTION 2: HAZARDS IDENTIFICATION

#### Hazard Overview

**GHS Classification:** Flammable liquid category 4, Skin corrosion/irritation category 1C, Acute hazard to aquatic environment category 3,

#### GHS Label Elements and Precautionary Statements:

**Label Elements:** Exclamation Mark, Corrosion

#### Hazard Statements:

Warning: Combustible Liquid.

Danger: Causes severe skin burns and eye damage.

Harmful to aquatic life

#### Precautionary statements:

P102 Keep out of reach of children.

P103 Read label before use

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P260 Do not breathe dust/fume/gas/mist/vapours/spray P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

#### Response

P370 + P378 In case of fire: Use WATER, ALCOHOL FOAM, CO2, DRY CHEMICAL for extinction.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 If skin irritation or burns develop, Call a doctor/physician .

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state federal or international laws

#### HMIS HAZARD CLASSIFICATION

**HEALTH:** 2

**FLAMMIBILITY:** 3

**REACTIVITY:** 0

**PERSONAL PROTECTIVE EQUIPMENT:** G

#### POTENTIAL HEALTH EFFECTS

##### EYES:

CAN CAUSE SEVERE IRRITATION OR CAUSE BURNS TO THE EYES. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES.

##### SKIN:

CAN CAUSE SKIN IRRITATION OR POSSIBLE BURNS TO THE SKIN

##### INGESTION:

LIQUID CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES IF SWALLOWED.

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### INHALATION:

HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.

### HEALTH HAZARDS (ACUTE AND CHRONIC):

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.

### CARCINOGENICITY

OSHA: no      NTP: no      IARC: no

### ADDITIONAL CARCINOGENICITY INFORMATION:

NONE.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
Isophorone diamine Isobutyraldamine	54914-37-3	NONE	NONE	NONE	60-100

### SECTION 3 NOTES:

**Note:** Information concerning non-hazardous ingredients are considered a trade secret.

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### SECTION 4: FIRST AID MEASURES

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#### EYES:

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

#### SKIN:

FOR EXTREME EXPOSURE USE A SAFETY SHOWER IMMEDIATELY. WASH AFFECTED SKIN WITH SOAP AND WATER AND REMOVE ALL CONTAMINATED CLOTHING PROMPTLY. CONSULT A PHYSICIAN IF WARRANTED.

#### INGESTION:

DO NOT INDUCE VOMITING, KEEP PERSON WARM AND CONSULT A PHYSICIAN IMMEDIATELY.

#### INHALATION:

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY. OBTAIN MEDICAL ASSISTANCE. TREATMENT IS SYMPTOMATIC.

#### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

No further relevant information available.

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### SECTION 5: FIRE FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR,**  
(% by volume)

**UPPER: Not available**  
**LOWER: Not available**

**FLASH POINT: 170.6F**

#### METHOD USED:

Closed cup

#### EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL

#### SPECIAL FIRE FIGHTING PROCEDURES:

DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. REMOVE ALL SOURCES OF IGNITION.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

**Hazardous Combustion Products:** Nitrogen oxides (NO<sub>x</sub>) carbon monoxide, carbon dioxide. **Fire and Explosion Hazards:** Explosive mixtures may occur at temperatures at or above the flashpoint.

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### SECTION 6: RELEASE MEASURES

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#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Personal Precautions, Protective Equipment and Emergency Procedures General Measures: Do not breathe vapors or spray mist.

Methods and Materials for Containment and Cleaning Up

For Containment and Cleaning Up: Take up mechanically or with a non-combustible absorbent material.

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Suitable absorbents: diatomaceous earth Fill into marked, sealable containers. Remove all sources of ignition. Assure sufficient ventilation.

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### SECTION 7: HANDLING AND STORAGE

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#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

**STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE READ THE MSDS OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS.** Avoid contact with skin, eyes, and clothing. Avoid breathing vapors/dust/mist. Wash thoroughly after handling. Protect from moisture. Keep away from heat, sparks, flames, and other sources of ignition. Keep container tightly closed. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

#### OTHER PRECAUTIONS:

Keep away from sources of ignition – No smoking. This material may have a low electrical conductivity and therefore may accumulate dangerous levels of static electricity. An ignitable vapor-air mixture can form inside storage tanks. The user must be sure to dissipate static charge by careful bonding and grounding of all equipment and personnel involved in fluid transfer with continuity checks to prove effectiveness. Additional precautions against fire and explosion are the use of inert gas to purge vapor space; dip-pipes while filling vessels, especially lined vessels; grounded tank level floats; reduced flow velocity; self-closing valves on transfer lines and flame arrestors in vent lines.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. ENGINEERING OR ADMINISTRATIVE MEASURES SHOULD BE TAKEN TO REDUCE THE RISK AND EXPOSURE.

#### VENTILATION:

EXHAUST VENTILATION SUFFICIENT TO CONTROL VAPORS

#### PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

#### EYE PROTECTION:

SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS. DO NOT WEAR CONTACT LENSES WHEN USING THIS PRODUCT.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

#### WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

**SEE SECTION THREE FOR ADDITIONAL OCCUPATIONAL EXPOSURE LIMIT VALUES.**

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** Yellowish Liquid with amine odor.

**BOILING POINT OR RANGE:** 302C

**VAPOR DENSITY (AIR = 1):** Not Determined

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.8675

**EVAPORATION RATE:** Not Determined

**SOLUBILITY IN WATER:** Not determined

**Odor Threshold:** Not Determined

**pH:** Not Applicable

**Melting point/freezing point:** Not determined

**Vapor Pressure:** Not determined

**Auto Ignition Temperature:** Not determined

**Partition Coefficient: n-octanol/water:** Not determined

**Decomposition Temperature:** Not determined

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### SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:**

Stable

**CONDITIONS TO AVOID (STABILITY):**

Avoid open flames.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

Water. Oxidizing agents. Cotton waste or other combustible materials.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

Decomposition products in hydrolysis/thermal decomposition isophorone diamine, isobutyraldehyde

**HAZARDOUS POLYMERIZATION:**

No data available.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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#### Toxicological Information:

**Acute oral toxicity:** LD50

Rat: 4150 mg/kg

Method:OECD

Test Guideline 401

Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:** no data available

**Acute dermal toxicity:** LD50 Rat:

> 5000 mg/kg

Method:OECD

Test Guideline 402

Based on available data, the classification criteria are not met.

**Skin irritation:** Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Method:OECD Test Guideline 404

**Eye irritation:** Rabbit

Irritating to eyes.

Method:OECD Test Guideline 405

**Sensitization:** (Magnusson-Kligman test) Guinea pig: The product is a skin sensitiser, subcategory 1A.

Method:OECD Test Guideline 406 sensitizing to the respiratory tract: No data available

**Repeated dose toxicity:** no data available.

**Assessment of STOT repeat exposure:****Gentoxicity in vitro:**

Amestest not mutagenic

Method:OECD TG 471

chromosomal

aberration not

mutagenic

Method:OECD TG 473

HGPRT-Test not mutagenic

Method:OECD TG 476

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**Carcinogenicity Assessment:** The carcinogenic effect of the substance has not yet been determined in a long-term animal study. The substance is not genotoxic. Generally speaking, carcinogenic substances are genotoxic. Therefore, this type of carcinogenic effect can be considered improbable for this substance.

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### SECTION 12: ECOLOGICAL INFORMATION

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#### Ecotoxicity effects

**Toxicity to fish:** LC50 Dania rerio: > 100 mg/l 96 h Method: OECD TG 203

**Toxicity in aquatic invertebrates:** EC50 Daphnia magna: 14.7 mg/l/ 48 h  
Method: OECD TG 202 NOEC Daphnia magna: 3 mg/l/ 21 d Method: OECD TG 202 isophorone diamine

**Toxicity to algae:** ErC50 Desmodesmus subspicatus: >100 mg/l  
Method: OECD TG, 201 NOEC Desmodesmus subspicatus: 7.6 mg/l Method: OECD TG 201

EC50 Activated sludge: 302.4 mg/l 3 h Method: OECD TG 209 **Persistence/Degradability:**  
Exposure time: 28 d

Result: 34 % Not readily biodegradable. Method: OECD TG 301 F **Bioaccumulation/**

**Accumulation:**

Not available

**Mobility in Environmental Media:**

Not available

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### SECTION 13: WASTE DISPOSAL

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#### WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

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### SECTION 14: Transport Information

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**DOT: UN2735**, Amine, liquid, Corrosive, n.o.s. (Contains blocked diamine), 8, PG III.

**IMO/IMDG: UN2735**, Amine, liquid, Corrosive, n.o.s. (Contains blocked diamine), 8, PG III.

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### SECTION 15: REGULATORY INFORMATION

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#### International Inventories:

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For Information on listing for countries not shown, contact the Product Regulatory Services Department.

USA (TSCA): listed/registered

Canada (DSL):

listed/registered

Australia (AICS):

listed/registered

Japan (MITI): listed/registered

Korea (KECI): listed/registered

Philippines: listed/registered

(PICCS) China:

listed/registered

New Zealand: listed/registered

USA: listed/registered.

#### Federal Regulations:

OSHA

If listed below chemical specific standards apply to the product or components:

None Listed

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Clean Air Act Section (112)

If listed below, components present at or above the de minimus level are hazardous air pollutants:

None listed

CERCLA Reportable Quantities

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

None listed

SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

Acute Health

Hazard Fire Hazard

SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act

None listed

Toxic Substances Control Act (TSA)

If listed below, non-proprietary substances are subject to export notification under Section 12(b) of TSCA:

None listed

### State Regulations:

#### California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

None listed

### CANADA:

Canadian WHMIS

Classification

Class: B

Division: 3

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

Other Regulations: No other information available

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL)

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## SECTION 16: OTHER INFORMATION

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**DISCLAIMER:** The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available

See Section 1 for date of preparation