



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: AGGRESSIVE/HAZMAT POLYPROPYLENE ABSORBENTS
PRODUCT USE: SORBENT MEDIA USED TO ABSORB LEAKS AND SPILLS WHICH INCLUDE BUT NOT LIMITED TO OIL, WATER, COOLANTS AND SOLVENTS
SPECIFIC PRODUCT TYPE: ABSORBENT PADS
COMPANY INFORMATION: ENPAC, LLC
34355 MELINZ DRIVE
EASTLAKE, OH 44095
PHONE: 440-975-0070
FAX: 440-975-0047
EMER: 440-975-0070

SECTION 2: HAZARDS IDENTIFICATION

THIS PRODUCT IS NOT DANGEROUS IN ITS UNUSED FORM AND CONTAINS NO HAZARDOUS INGREDIENTS. NOT WHMIS REGULATED.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIALS	PERCENT	CAS #
POLYPROPYLENE:	>97%	9003-07-0
SURFACTANT:	< 1%	9004-34-6
GRAY PIGMENT	< 1%	NONE
YELLOW PIGMENT	< 1%	NONE
GREEN PIGMENT	< 1%	NONE
ORANGE PIGMENT	< 1%	NONE

SECTION 4: FIRST AID MEASURES

NO SPECIAL PROCEDURES REQUIRED

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >315 DEGREES CELCIUS (ASTM D93)
FLAMMABLE LIMITS: NOT YET DETERMINED
EXTINGUISHING MEDIA: WATER, FOAM, CO2, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: STANDARD PROCEDURE FOR CLASS A FIRES
UNUSUAL FIRE AND EXPLOSION HAZARD: SOME CARBON MONOXIDE UNDER LEAN OXYGEN CONDITIONS

SECTION 6: ACCIDENTAL RELEASE MEASURES

NO SPECIAL STEPS ARE TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

SECTION 7: HANDLING AND STORAGE

STORE IN DRY AREA. DO NOT STORE NEAR OPEN FLAME, HIGH HEAT OR STRONG OXIDANTS. POLYPROPYLENE, WHEN HEATED, BECOMES VERY STICKY AND WILL BURN. USE SELF-CONTAINED AIR MASK TO ENTER SMOKY AREA IN THE EVENT OF FIRE.

SECTION 8: EXPOSUR CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE LIMITS: OSHA PEL: N/A

ACGIH TLV: N/A

RESPIRATORY PROTECTION: NONE REQUIRED
VENTILATION: NONE REQUIRED
PROTECTIVE GLOVES: NONE REQUIRED ONLY IF MOLTAN
EYE PROTECTION: NONE REQUIRED
OTHER PROTECTIVE EQUIPMENT (SPECIFY): NONE REQUIRED

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: GRAY, YELLOW, GREEN, ORANGE
DENSITY: 0.04 - 0.06 gram/cc
ODOR: CITRUS (IN ORANGE ABSORBENT)
SPECIFIC GRAVITY: 0.88 - 0.92
FLASH POINT: NOT APPLICABLE
BOILING POINT: NOT APPLICABLE
MELTING POINT: > 160 DEGREES CELSIUS

SOLUBILITY IN WATER:	INSOLUABLE
PERCENT VOLATILE:	NOT APPLICABLE
EVAPORATION RATE:	NOT APPLICABLE
VAPOR PRESSURE (mm Hg):	NOT APPLICABLE
VAPOR DENSITY (Air = 1):	NOT APPLICABLE
AUTO IGNITION TEMPERATURE	>675 DEGREES FAHRENHEIT

SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY:	STABLE
INCOMPATIBILITY (conditions to avoid):	NONE
INCOMPATIBILITY (materials to avoid):	NITRIC ACID, PERCHLORIC ACID, SULFURIC ACID OR 98% SULFURIC ACID
HAZARDOUS DECOMPOSITON:	WHEN HEATED, IT MAY EMIT TOXIC
HAZARDOUS POLYMERAZATION:	WILL NOT OCCUR

SECTION 11: TOXOCOLOGICAL INFORMATION

HEALTH HAZARDS (acute or cronic):	NONE
SIGNS OR SYSMPTOMS OF EXPOSURE:	NONE
MEDICAL CONDITIONS GENERRALLY AGGRAVATED BY EXPOSURE:	NONE
DATE ISSUED:	January 1, 2018
PREPARED BY:	ENPAC, LLC

SECTION 12 TO SECTION 15 NOT APPLICABLE

SECTION 16: OTHER INFORMATION

SDS PREPARATION DATE: January 1, 2018

THE INFORMATION CONTAINED HEREIN IS ACCCURATE TO THE BEST OF MY KNOWLEDGE. MY COMPANY MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE SAFE USE OF THIS MATERIAL IN YOUR PROCESS OR IN COMBINATION WITH OTHER SUBSTANCES

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- | | |
|---------------------|--------------------------|
| - Trade name | BICAR® INDUSTRIAL GRADE |
| - Chemical name | Sodium hydrogencarbonate |
| - Synonyms | Sodium bicarbonate |
| - Molecular formula | NaHCO ₃ |

1.2 Relevant identified uses of the substance or mixture and uses advised against**Uses of the Substance / Mixture**

- Food/ feedstuff additives
- Detergent
- Chemical industry
- Glass industry
- Foaming agent
- Water treatment
- Environmental protection
- Purifying flue gas
- Animal feedstuff

1.3 Details of the supplier of the safety data sheet**Manufactured for:**

ENPAC LLC
34355 Melinz Parkway
Eastlake, OH 44095
PH: 800-936-7229, EM: info@ENPAC.com
www.ENPAC.com

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CONTACT CHEMTREC (24-Hour Number): +1-800-424-9300 within the United States and Canada, or +1-703-527-3887 for international collect calls.

SECTION 2: Hazards identification

Although WHMIS has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects

2.1 Classification of the substance or mixture

- Not classified as hazardous product under the regulation above.

2.2 Label elements**Hazardous Products Regulations (WHMIS 2015)**

- Not labelled as hazardous product under the regulation above.

2.3 Other hazards which do not result in classification

None identified

SECTION 3: Composition/information on ingredients**3.1 Substance**

- Chemical name Sodium hydrogencarbonate

WHMIS Hazardous Ingredients and Impurities

- No ingredients are hazardous.

3.2 Mixture

Not applicable, this product is a substance.

SECTION 4: First aid measures**4.1 Description of first-aid measures****In case of inhalation**

- Move to fresh air.
- If symptoms persist, call a physician.

In case of skin contact

- Wash off with soap and water.

In case of eye contact

- Rinse thoroughly with plenty of water, also under the eyelids.
- If eye irritation persists, consult a specialist.

In case of ingestion

- Rinse mouth with water.
- If symptoms persist, call a physician or Poison Control Center immediately.

4.2 Most important symptoms and effects, both acute and delayed**In case of inhalation****Effects**

- No hazards to be specially mentioned.

In case of skin contact**Effects**

- No hazards to be specially mentioned.

Repeated or prolonged exposure

- Contact with dust can cause mechanical irritation or drying of the skin.

In case of eye contact**Effects**

- Dust contact with the eyes can lead to mechanical irritation.

In case of ingestion**Effects**

- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

- When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

- None.

5.2 Special hazards arising from the substance or mixture**Hazardous combustion products:**

- none

5.3 Advice for firefighters**Special protective equipment for fire-fighters**

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

- Evacuate personnel to safe areas.
- Avoid dust formation.

Advice for emergency responders

- Use personal protective equipment.
- Sweep up to prevent slipping hazard.
- Prevent further leakage or spillage.

6.2 Environmental precautions

- Do not flush into surface water or sanitary sewer system.
- Prevent any mixture with an acid into the sewer/drain (gas formations).

6.3 Methods and materials for containment and cleaning up

- Pick up and transfer to properly labeled containers.
- Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

- Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Ensure adequate ventilation.
- Minimize dust generation and accumulation.
- Avoid contact with skin and eyes.
- Keep away from incompatible products

Hygiene measures

- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

- Store in original container.
- Keep in a dry place.
- Keep in properly labeled containers.
- Keep container closed.
- Keep away from:
- Incompatible products

Packaging material**Suitable material**

- Paper.
- Polyethylene
- Polypropylene
- Woven plastic material.
- Polyethylene

Unsuitable material

- No data available

7.3 Specific end use(s)

- no data available

SECTION 8: Exposure controls/personal protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

- Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Control measures

Engineering measures

- Provide appropriate exhaust ventilation at places where dust is formed.
- Apply technical measures to comply with the occupational exposure limits.

Individual protection measures

Respiratory protection

- Use only respiratory protection that conforms to international/ national standards.
- Use NIOSH approved respiratory protection.

Hand protection

- Impervious gloves

Eye protection

- Safety goggles

Skin and body protection

- No special protective equipment required.

Hygiene measures

- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

<u>Physical state</u>	solid
<u>Form</u>	crystalline, powder
<u>Color</u>	white
<u>Odor</u>	odorless
<u>Odor Threshold</u>	No data available
<u>Melting point/freezing point</u>	Melting point/range: Decomposition: yes
<u>Initial boiling point and boiling range</u>	Boiling point/boiling range: Thermal decomposition: yes
<u>Flammability (solid, gas)</u>	The product is not flammable.
<u>Flammability (liquids)</u>	No data available
<u>Flammability / Explosive limit</u>	No data available

<u>Flash point</u>	Not applicable, inorganic
<u>Autoignition temperature</u>	No data available
<u>Decomposition temperature</u>	> 122 °F (> 50 °C)
<u>pH</u>	8.4 (ca. 8.4 g/l) (77 °F (25 °C)) Water 8.6 (ca. 52 g/l) <u>pKa</u> : 6.3
<u>Viscosity</u>	<u>Viscosity, dynamic</u> : Not applicable
<u>Solubility</u>	<u>Water solubility</u> : 69 g/l (32 °F (0 °C)) 93 g/l (68 °F (20 °C)) 165 g/l (140 °F (60 °C)) <u>Solubility in other solvents</u> : Other: soluble Alcohol: slightly soluble
<u>Partition coefficient: n-octanol/water</u>	Not applicable, inorganic
<u>Vapor pressure</u>	Thermal decomposition
<u>Density</u>	2.21 kg/dm3 <u>Bulk density</u> : 500 - 1,300 kg/m3
<u>Relative density</u>	2.21 - 2.23 (68 °F (20 °C))
<u>Relative vapor density</u>	Not applicable
<u>Particle characteristics</u>	No data available
<u>Evaporation rate (Butylacetate = 1)</u>	No data available
9.2 Other information	
<u>Explosiveness</u>	Not expected
<u>Oxidizing properties</u>	Not expected
<u>Self-ignition</u>	The product is not flammable.
<u>Molecular weight</u>	84.01 g/mol

SECTION 10: Stability and reactivity

10.1 Reactivity

- Incompatible with acids.
- Decomposes slowly on exposure to water.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- none

10.4 Conditions to avoid

- Exposure to moisture.
- To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

- Acids

10.6 Hazardous decomposition products

- none

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Acute oral toxicity**

LD50 : > 4,000 mg/kg - Rat , male and female
Method: according to a standardized method
The product has a low acute toxicity
Unpublished reports

Acute inhalation toxicity

LC50 - 4.5 h (dust/mist) : > 4.74 mg/l - Rat , male and female
Method: according to a standardized method
Not classified as hazardous for acute inhalation toxicity according to GHS.
Unpublished reports
Dust

Acute dermal toxicity

No data available

Acute toxicity (other routes of administration)

No data available

Skin corrosion/irritation

Rabbit
slight irritation
Method: OECD Test Guideline 404
Unpublished reports

Serious eye damage/eye irritation

Rabbit
slight irritation
Method: OECD Test Guideline 405
Unpublished reports

Respiratory or skin sensitization

No data available

Mutagenicity

Genotoxicity in vitro

Strain: Escherichia coli
with and without metabolic activation

negative

Method: according to a standardized method
Published data

Ames test
with metabolic activation

negative

Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)
Published data

Genotoxicity in vivo

No data available

Carcinogenicity

No data available

Toxicity for reproduction and development**Toxicity to reproduction / fertility**

No data available

Developmental Toxicity/Teratogenicity

Rat, female, Oral
Teratogenicity NOAEL:> 340mg/kg
Method: according to a standardized method
Highest dose tested, The product is not considered to be embryotoxic / fetotoxic.,
Unpublished reports

Rabbit, female, Oral
Teratogenicity NOAEL:> 330mg/kg
Method: according to a standardized method
Highest dose tested, The product is not considered to be embryotoxic / fetotoxic.,
Unpublished reports

STOT**STOT-single exposure**

Routes of exposure: Oral, Inhalation
The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria.
internal evaluation

STOT-repeated exposure

No data available

Experience with human exposure

No data available

Aspiration toxicity

No data available

SECTION 12: Ecological information**12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish**

LC50 - 96 h : 7,100 mg/l - Lepomis macrochirus (Bluegill sunfish)
flow-through test
Analytical monitoring: yes

Method: according to a standardized method
Unpublished internal reports
Not harmful to fish (LC/LL50 > 100 mg/L)

Acute toxicity to daphnia and other aquatic invertebrates

EC50 - 48 h : 4,100 mg/l - Daphnia magna (Water flea)
flow-through test
Analytical monitoring: yes
Method: according to a standardized method
Unpublished internal reports
Not harmful to aquatic invertebrates. (EC/EL50 > 100 mg/L)

Toxicity to aquatic plants

No data available

Toxicity to microorganisms

No data available

Chronic toxicity to fish

No data available

Chronic toxicity to daphnia and other aquatic invertebrates

NOEC: > 576 mg/l - 21 Days - Daphnia magna (Water flea)
semi-static test
Analytical monitoring: no
Method: OECD Test Guideline 211
Highest concentration tested
Published data
No adverse chronic effect observed up to and including the threshold of 1 mg / L.

12.2 Persistence and degradability**Abiotic degradation****Stability in water**

Product dissociates rapidly to corresponding ions on contact with water.

**Physical- and photo-chemical
elimination**

No data available

Biodegradation**Biodegradability**

Not applicable, inorganic substance

12.3 Bioaccumulative potential**Partition coefficient: n-octanol/water**

Not applicable, inorganic substance

Bioconcentration factor (BCF)

According to the available data on the constituents
Not potentially bioaccumulable
Expert judgment

12.4 Mobility in soil

Adsorption potential (Koc)

According to the available data on the constituents
non-significant adsorption
internal evaluation

Known distribution to environmental compartments

No data available

12.5 Results of PBT and vPvB assessment

Not applicable, inorganic substance

12.6 Other adverse effects

Ecotoxicity assessment

Short-term (acute) aquatic hazard

Not harmful to aquatic life (LC/LL50, EC/EL50 > 100 mg/L)

Long-term (chronic) aquatic hazard

No adverse chronic effect observed up to and including the threshold of 1 mg / L.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

- Contact waste disposal services.
- If recycling is not practicable, dispose of in compliance with local regulations.
- Dilute with plenty of water.
- Neutralize with acid.
- In accordance with local and national regulations.

Advice on cleaning and disposal of packaging

- Where possible recycling is preferred to disposal or incineration.
- Clean container with water.
- Dispose of rinse water in accordance with local and national regulations.
- Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

SECTION 14: Transport information

TDG

not regulated

49 CFR

not regulated

NOM

not regulated

IMDG

not regulated

IATA

not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information**15.1 Notification status**

Inventory Information	Status
United States TSCA Inventory	- All substances listed as active on the TSCA inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australian Inventory of Industrial Chemicals (AIIC)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
Taiwan Chemical Substance Inventory (TCSI)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- All components are listed on the NZIoC inventory. Additional HSNO obligations may apply. Please refer to Section 15 of SDS for New Zealand.
EU. European Registration, Evaluation, Authorization and Restriction of Chemical (REACH)	- When purchased from a Solvay legal entity based in the EEA ("European Economic Area"), this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of the EEA, please contact your local representative for additional information.

15.2 National Regulations**Canada. CEPA 1999 Significant New Activity (SNAc) List:**

- No substances are subject to a Significant New Activity Notification.

SECTION 16: Other information**Revision Date:**

02/14/2024

NFPA (National Fire Protection Association) - Classification

Health	1 slight
Flammability	0 minimal
Instability or Reactivity	0 minimal
Special Notices	None

HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health	1 slight
Flammability	0 minimal
Reactivity	0 minimal
PPE	Determined by User; dependent on local conditions

Further information

- Distribute new edition to clients

Key or legend to abbreviations and acronyms used in the safety data sheet

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NTP: National Toxicology Program
- IARC: International Agency for Research on Cancer
- NIOSH: National Institute for Occupational Safety and Health
- ADR: European Agreement on International Carriage of Dangerous Goods by Road. European
- ADN: Agreement on the International Carriage of Dangerous Goods by Inland Waterways
- RID: European Agreement concerning the International Carriage of Dangerous Goods by
- IATA: Rail. International Air Transport Association.
- ICAO-TI: Technical Specification for Safe Transport of Dangerous Goods by Air.
- IMDG: International Maritime Dangerous Goods.
- TWA: Time weighted average
- ATE: Estimated value of acute toxicity
- EC: European Community number
- CAS: Chemical Abstracts Service.
- LD50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).
- LC50: Substance concentration causing 50% (half) death in the test animals group.
- EC50: Effective Concentration of the substance causing the maximum of 50%.
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.
- SEA: Classification, labeling, packaging regulation
- DNEL: Derived No Effect Level
- PNEC: Predicted No Effect Concentration
- STOT: Specific Target Organ Toxicity

Not all acronyms listed above are referenced in this SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.