



SAFETY DATA SHEET

JetPac (All Grades)

1. Identification

Product identifier

Product name **JetPac (All Grades)**

CAS number 9004-32-4

Recommended use of the chemical and restrictions on use

Application Emulsifier. Industrial use.

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier: BlackJack Chemicals
46 Spring View S.W.
Calgary, AB T3H-3S7
T +(403) 990-6035
E: jay@bjchemicals.ca

Emergency telephone number

Emergency telephone: (ChemTel) 800 255-3924; INTL 813 248-0585

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status	This Product is Not Hazardous under the OSHA Hazard Communication Standard.
Physical hazards	Not Classified
Health hazards	Not Classified
Environmental Hazards	Not Classified

Label elements

Hazard statements	NC Not Classified
Contains	JetPac (All Grades)

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria

3. Composition/information on ingredients

Substances



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Polyanionic Cellulose CAS number: 9004-32-4 Classification Not Classified	60-100%
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The full text for all hazard statements is displayed in Section 16.

Product name JetPac (All Grades)
CAS number 9004-32-4

4. First-aid measures

Description of first aid measures

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Skin Contact	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	Use protective equipment appropriate for surrounding materials.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.



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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions No specific recommendations. For personal protection, see Section 8.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Reuse or recycle products wherever possible. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.



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7. Handling and storage

Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions	Store away from incompatible materials (see Section 10). No specific recommendations.
Storage class	Unspecified storage.

Specific end uses(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.
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8. Exposure controls/Personal protection

Exposure controls

Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended. Large Spillages: Wear protective gloves.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Powder.
Color	Beige.
Odor	Odorless.
Odor threshold	No information available.
pH	pH (diluted solution): 6.5 - 8.5 2%
Melting point	300°C
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 165 g/m ³
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	~ 370°C
Decomposition Temperature	No information available.
Viscosity	Not applicable.
Other information	None.



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10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral <i>Summary</i>	Based on available data the classification criteria are not met.
Acute toxicity – dermal <i>Summary</i>	Based on available data the classification criteria are not met.
Acute toxicity – inhalation <i>Summary</i>	Based on available data the classification criteria are not met.
Skin corrosion/irritation <i>Summary</i>	Based on available data the classification criteria are not met.
Serious eye damage/irritation <i>Summary</i>	Based on available data the classification criteria are not met.
Respiratory sensitization <i>Summary</i>	Based on available data the classification criteria are not met.
Skin sensitization <i>Summary</i>	Based on available data the classification criteria are not met.
Germ cell mutagenicity <i>Summary</i>	Based on available data the classification criteria are not met.
Carcinogenicity <i>Summary</i>	Based on available data the classification criteria are not met.



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IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity <i>Summary</i>	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure <i>Summary</i>	Based on available data the classification criteria are not met.
Specific target organ toxicity - repeated exposure <i>Summary</i>	Based on available data the classification criteria are not met.
Aspiration hazard <i>Summary</i>	Not relevant. Solid.
General information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation.
Ingestion	May cause discomfort if swallowed.
Skin Contact	Prolonged contact may cause dryness of the skin.
Eye contact	May be slightly irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.

12. Ecological information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
Acute aquatic toxicity <i>Summary</i>	Based on available data the classification criteria are not met.
Acute toxicity - fish	LC ₅₀ , 96 hours: 100 - 1,000 mg/l, <i>Oncorhynchus mykiss</i> (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 87.26 mg/l, <i>Daphnia magna</i>
Chronic aquatic toxicity <i>Summary</i>	Based on available data the classification criteria are not met.



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Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Biodegradation The product is slowly degradable.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No information available.

Mobility in soil Mobility No data available.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

Disposal methods Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.



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14. Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International)

Not applicable.

UN No. (DOT)

Not applicable.

UN proper shipping name

Proper shipping name
(International)

Not applicable.

Proper shipping name (DOT)

Not applicable.

Transport hazard class(es)

Transport Labels
(International)

No transport warning sign required.

DOT transport labels

No transport warning sign required.

Packing group

Packing group (International)

Not applicable.

DOT packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

DOT reportable quantity

Not applicable.

DOT TIH Zone

Not applicable.

Transport in bulk according to
Annex II of MARPOL 73/78
and the IBC Code

Not applicable.



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15. Regulatory information

Regulatory References

OSHA Hazard Communication Standard 29 CFR §1910.1200

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

New Jersey "Right To Know" List

Not listed.

Pennsylvania "Right To Know" List

Not listed.

Inventories

EU - EINECS/ELINCS

Present.

Canada - DSL/NDSL

DSL

US - TSCA

Present.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.



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16. Other information

Abbreviations and acronyms used in the safety data sheet

TDG: The transport of dangerous goods act
 IATA: International air transport association.
 ICAO: Technical instructions for the safe transport of dangerous goods by air.
 IMDG: International maritime dangerous goods.
 CAS: Chemical abstracts service.
 ATE: Acute toxicity estimate.
 LC₅₀: Lethal concentration to 50 % of a test population.
 LD₅₀: Lethal dose to 50% of a test population (median lethal dose).
 EC₅₀: 50% of maximal effective concentration.
 PBT: Persistent, bioaccumulative and toxic substance.
 vPvB: Very persistent and very bioaccumulative.

Training advice	Only trained personnel should use this material.
Revision date	1/1/2022
Revision	Annual review and format update
Supersedes date	11/9/2018
SDS No.	29
End of Safety Data Sheet	

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.