



**Air Conditioning Products  
Tools, Equipment & Refrigerant**

# SAFETY DATA SHEET

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

## 1. Identification

Product identifier

Trade name PAG Oil 100 with Extreme Cold

Product description PAG with Extreme Cold

Details of the supplier of the safety data sheet

Manufacturer/supplier FJC AC Products  
101 Commercial Dr - Mooresville, NC 28115  
704-664-3587

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. Hazard(s) Identification

Classification of the substance or mixture



GHS07

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.

## 2. Hazard(s) Identification (continued)

Precautionary statements

Wear protective gloves.  
Wear eye protection / face protection.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If swallowed: Call a poison center/doctor if you feel unwell.  
Specific treatment (see on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Rinse mouth.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system

NFPA ratings (scale 0-4)



Health=1; Fire=1; Reactivity=0



Health=1; Fire=1; Reactivity=0

## 3. Composition / Information on Ingredients

Chemical characterization:

Mixtures

Dangerous Components

Polyalkylene Glycol

9003-



13-8Acute Tox. 4, H302; Skin Irrit. 2, H315;  
Eye Irrit. 2A, H319

## 4. First-aid Measures

Description of first aid measures

General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

In case of unconsciousness, place patient securely on side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly. If irritation occurs consult a doctor.

After eye contact Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

## 4. First-aid Measures (continued)

After swallowing

Immediately call a doctor.

Most important symptoms and effects, No further relevant information available.  
both acute and delayed

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing agents

Special hazards arising from the substance or mixture Advice for firefighters

Protective equipment

CO<sub>2</sub> or Powder. Water mist to cool, no direct water spray. Collect spillage.

No further relevant information available.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

## 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Environmental precautions

Methods and material for containment and cleaning up

Reference to other sections

Not required

Do not allow to enter sewers/ surface or ground water

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Dispose of the collected material according to regulations.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and Storage

Precautions for safe handling

Information about protection against and fires

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Further information about storage conditions

Specific end use(s)

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

No special measures required explosions

No special requirements

Keep receptacle tightly sealed

No further relevant information available

## 8. Exposure Controls / Personal Protection

Additional information about design of technical systems Control parameters

Components with occupational exposure limits

Additional information

Exposure controls

Personal protective equipment

No further data; see section 7

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the creation were used as basis.

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment

Not required

Protection of hands The glove material has to



be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/

Protective the preparation/ the chemical mixture. Select glove material based on gloves penetration times, rates of diffusion and degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection

Tightly sealed goggles

## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

### General Information

#### Appearance

Form

Liquid

Color

See product

Odor

Mild

Odor Threshold

Not determined

pH-value

Not determined

#### Change in condition

Melting point/Melting range

Not applicable

Boiling point/Boiling range

>570°F (>298°C)

Flash Point

>424°F (>218°C)

Flammability (solid, gaseous)

Not applicable

#### Ignition temperature

Decomposition temperature

Not determined

Auto-igniting

Not determined

Danger of explosion

Not determined

#### Explosion limits

Lower

Not determined

Upper

Not determined

Vapor Pressure @ 20 DEG C

<0.003 kPa

Density @ 20 DEG C

0.89-0.95

Relative Density

Not determined

Vapor Density

Not determined

Evaporation Rate

Not determined

Solubility in/Miscibility with Water

Not miscible

Partition coefficient (n-octanol/water)	Not determined
<b>Viscosity</b>	
Viscosity - Dynamic	Varies with grade
Viscosity - Kinematic	Varies with grade
<b>Solvent content</b>	
Organic solvents	0.00%
Other Information	No further information

## 10. Stability and Reactivity

Reactivity	No further relevant information available
Chemical stability	Stable under normal conditions
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications
Possibility of hazardous reactions	No dangerous reactions known
Conditions to avoid	No further relevant information available
Incompatible materials	No further relevant information available
Hazardous decomposition products	No dangerous decomposition products known

## 11. Toxicological Information

Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification

9003-13-8 Polyalkylene Glycol Primary irritant effect: Oral: LD50 >300- <2000 mg/kg (rat) Dermal: LD50 >2000 mg/kg (rat)

On the skin	Irritant to skin and mucous membranes
On the eye	Irritating effect. Causes serious eye irritation
Additional toxicological information	The product shows the following dangers according to internally approved calculation methods for preparations: Harmful. Irritant.

Carcinogenic categories

IARC (International Agency for Research on Cancer)	None of the ingredients are listed. Group 1 - Carcinogenic to humans Group 2A - Probably carcinogenic to humans Group 2B - Possibly carcinogenic to humans Group 3 - Not classifiable as to its carcinogenicity to humans Group 4 - Probably not carcinogenic to humans
NTP (National Toxicology Program)	None of the ingredients are listed
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients are listed

## 12. Ecological Information

Toxicity	No data is available on this product.
Aquatic toxicity	No further relevant information available
Persistence and degradability	No further relevant information available
Bioaccumulative potential	No further relevant information available

Mobility in soil

No further relevant information available

Additional ecological information

General notes

Water hazard class 1 (Self-assessment): slightly hazardous for water

## 12. Ecological Information (continued)

Results of PBT and vPvB assessment

PBT	Not applicable
vPvB	Not applicable
Other adverse effects	No further relevant information available

## 13. Disposal Considerations

Uncleaned packagings

Recommendation	Disposal must be made according to official regulations.
----------------	--

## 14. Transportation Information

UN-Number

DOT, ADR, ADN, IMDG, IATA	Non-regulated material
---------------------------	------------------------

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA	Non-regulated material
---------------------------	------------------------

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA	Non-regulated material
---------------------------	------------------------

Class

Packing group

DOT, ADR, IMDG, IATA	Non-regulated material
----------------------	------------------------

Environmental hazards

Marine pollutant	No
------------------	----

Special precautions for user	Not applicable
------------------------------	----------------

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

UN "Model Regulation"	—
-----------------------	---

## 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances) None of the ingredients are listed hazardous substances)

Section 313 (Specific toxic chemicals) None of the ingredients are listed chemical listings)

TSCA (Toxic Substances Control Act) 68515-49-1: Diisodecyl Phthalate Proposition 65

Chemicals known to cause cancer None of the ingredients are listed

## 15. Regulatory Information

Chemicals known to cause reproductive toxicity for females None of the ingredients are listed

Chemicals known to cause reproductive toxicity for males None of the ingredients are listed

Chemicals known to cause developmental toxicity Carcinogenic categories 68515-49-1: Diisodecyl Phthalate

EPA (Environmental Protection Agency) None of the ingredients are listed

TLV (Threshold Limit Value established by ACGIH) None of the ingredients are listed

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients are listed

GHS label elements

Non-regulated material

Hazard pictograms



GHS07

Signal word

Warning

Hazard-determining components of labeling

Polyalkylene Glycol

Hazard statements

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If swallowed: Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Rinse mouth.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.


Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

State Right to Know

Polyalkylene Glycol

9003- 13-8Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319

Chemical safety assessment

A chemical safety assessment has not been carried out



Date:

## 16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation / last revision      02/19/2016 / 1  
Date of Revision                              03-Jan-2019

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Revision Date: