

Safety Data Sheet



acc. to US OSHA GHS

Reviewed on 11/07/2014

1 Identification

- . **Product identifier**
- . **Trade name: Phos-Chek Insul-8**
Article number: AST10196
- . **Article number:** AST10196
- . **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- . **Application of the substance / the mixture**
Fire retarding agent
Surface active agent
Wetting & dispersing agents
- . **Manufacturer/Supplier:**
Perimeter Solutions
622 Emerson Road - Suite 500
St. Louis, Missouri 63141
- . **Information department:** General information: 1 800 244 6169 (Worldwide)
- . **Emergency telephone number:**
In USA call CHEMTREC: 1 800 424 9300
Outside the USA, including ships at sea, call CHEMTREC's international and maritime telephone number (collect calls accepted):
+1 (703) 527-3887
In Canada call CANUTEC: 1 613 996 6666

2 Hazard(s) identification

- . **Classification of the substance or mixture**
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
STOT SE 3 H336 May cause drowsiness or dizziness.
- . **GHS label elements**
The product is classified and labelled according to the US Globally Harmonized System (GHS).
- . **Hazard pictograms**



GHS07 GHS08

- . **Signal word** Danger
- . **Hazard-determining components of labeling:**
Distillates (petroleum), hydrotreated light
- . **Hazard statements**
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
- . **Precautionary statements**
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P331 Do NOT induce vomiting.

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P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P312 Call a POISON CENTER/doctor if you feel unwell.

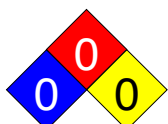
P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

. **Classification system:**

. **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

. **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0

FIRE 0 Fire = 0

REACTIVITY 0 Reactivity = 0

3 Composition/information on ingredients

. **Chemical characterization: Mixtures**

. **Description:** Mixture of the substances listed below with nonhazardous additions.

. **Dangerous components:**

64742-47-8 Distillates (petroleum), hydrotreated light

25 - <50%

4 First-aid measures

. **Description of first aid measures**

. **General information:** Immediately remove any clothing soiled by the product.

. **After inhalation:** Supply fresh air; consult doctor in case of complaints.

. **After skin contact:**

Wash with water and acidic soap.

If skin irritation continues, consult a doctor.

. **After eye contact:**

Rinse opened eye for 15 minutes under running water. Then consult a doctor.

Seek immediate medical advice.

. **After swallowing:** If symptoms persist consult doctor.

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

. **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

. **Extinguishing media**

. **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

. **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

. **Advice for firefighters**

. **Protective equipment:** Wear self-contained respiratory protective device.

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6 Accidental release measures

. Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Use respiratory protective device against the effects of fumes/dust/aerosol.

. Environmental precautions: Do not allow to enter sewers/ surface or ground water.

. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

7 Handling and storage

. Precautions for safe handling

No special precautions are necessary if used correctly.

Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Prevent formation of aerosols.

Use only in well ventilated areas.

. Information about protection against explosions and fires: No special measures required.

. Conditions for safe storage, including any incompatibilities

. Storage:

. Further information about storage conditions: Keep receptacle tightly sealed.

. Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

. Control parameters

. Components with limit values that require monitoring at the workplace:

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

. Exposure controls

. Appropriate engineering controls Not determined

. Personal protective equipment:

. General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

. Respiratory Protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter A/P2

. Protection of hands: Protective gloves

. Material of gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Natural rubber, NR

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Chloroprene rubber, CR
Neoprene gloves

. **Penetration time of glove material**

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

. **Not suitable are gloves made of the following materials:** Leather gloves

. **Eye protection:** Safety glasses

9 Physical and chemical properties

. **Information on basic physical and chemical properties**

. **General Information**

. **Appearance:**

Form:	Fluid
Color:	Yellowish
Odor:	Mineral-oil-like
Odour threshold:	Not determined
pH-value:	Not determined

. **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

. **Flash point:** > 177 ° F (COC)

. **Flammability (solid, gaseous):** Not determined

. **Auto-ignition temperature:** Not determined

. **Decomposition temperature:** Not determined

. **Danger of explosion:** Not determined

. **Explosion limits:**

Lower: Not determined

. **Oxidizing properties** Not determined

. **Vapor pressure:** Not determined

. **Specific Gravity:** 1.0 +/- 0.03

. **Evaporation rate** Not determined

. **Solubility in / Miscibility with**

Water: Insoluble.

. **Partition coefficient (n-octanol/water):** Not determined

. **Viscosity:**

Dynamic at 20 °C (68 °F): 800 - 1100 cps

. **Other information** No further relevant information available.

10 Stability and reactivity

. **Reactivity** No hazardous reactions when stored and handled according to instructions.

. **Chemical stability**

. **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

. **Possibility of hazardous reactions** No dangerous reactions known.

. **Conditions to avoid** No further relevant information available.

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- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **LD/LC50 values that are relevant for classification:**
 - Oral LD50 > 5050 mg/kg (rat)
 - Dermal LD50 > 2020 mg/kg (rabbit)
- . **Primary irritant effect:**
 - . **on the skin:** Moderate irritation
 - . **on the eye:** Moderate irritation
- . **Additional toxicological information:**
- . **Carcinogenic categories**
- . **IARC (International Agency for Research on Cancer)**
 - None of the ingredients is listed.
- . **NTP (National Toxicology Program)**
 - None of the ingredients is listed.
- . **OSHA-Ca (Occupational Safety & Health Administration)**
 - None of the ingredients is listed.

12 Ecological information

- . **Toxicity**
- . **Aquatic toxicity:**
 - LC50 (96 h) 1051 mg/L (rainbow trout)
- . **Persistence and degradability** Not easily biodegradable
- . **Other information:** modified Sturm test (OECD 301B, 42 d): 56%
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Other adverse effects** No further relevant information available.

13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation:**
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - Must be specially treated adhering to official regulations.
- . **Uncleaned packagings:**
- . **Recommendation:**
 - Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
 - Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
 - Dispose of packaging according to regulations on the disposal of packagings.
- . **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- . **UN-Number**
- . **DOT, ADN, IMDG, IATA** Void
- . **UN proper shipping name**
- . **DOT, ADR, ADN, IMDG, IATA** Void

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- . Transport hazard class(es)
- . DOT, ADR, ADN, IMDG, IATA
- . Class Void
- . Packing group
- . DOT, ADR, IMDG, IATA Void
- . Environmental hazards: Not applicable.
- . Special precautions for user Not applicable.
- . Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- . Transport/Additional information: Not dangerous according to the above specifications.
- . UN "Model Regulation": -

15 Regulatory information

- . Safety, health and environmental regulations/legislation specific for the substance or mixture
- . Sara
- . Section 355 (extremely hazardous substances): Not applicable
- . Section 313 (Specific toxic chemical listings): Not applicable
- . TSCA (Toxic Substances Control Act): All ingredients are listed.
- . Proposition 65
- . Chemicals known to cause cancer:
This product contains a component (< 1.0 %) that may contain residual (<100 ppm) concentrations of propylene oxide (CAS 75-56-9).
- . National regulations:
- . Information about limitation of use: Employment restrictions concerning young persons must be observed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Department issuing SDS: ESH & S
- . Contact: SDS@PERIMETER-SOLUTIONS.COM
- . Date of preparation / last revision 11/07/2014 .

Abbreviations and acronyms:

- ICAO: International Civil Aviation Organization
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- . Sources source ECHA: European Chemicals Agency, <http://echa.europa.eu/>