

# SOPRA-ISO Insulation and SOPRA-ISO Insulation Plus

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/19/2015

Revision date: 09/11/2019

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : SOPRA-ISO Insulation and SOPRA-ISO Insulation Plus

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Rigid foam plastic thermal insulation board

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer:  
SOPREMA USA  
310 Quadral Dr.  
Wadsworth, OH 44281  
Tel: 1-800-356-3521

Distributors:  
SOPREMA Canada  
1675 Haggerty Street  
Drummondville (Quebec) J2C 5P7  
Tel: 1-819-478-8163

SOPREMA Canada  
44955 Yale Road West  
Chilliwack (BC) V2R 4H3  
CANADA  
Tel: 1-604-793-7100

SOPREMA USA  
12251 Seaway Road  
Gulfport (Mississippi) 39507  
UNITED STATES  
Tel: 1-228-701-1900

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-434-9300 (Acct.# CCN20515). CANUTEC 1-613-996-6666

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Resp. Irr. 2 H335

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H335 - May cause respiratory irritation  
Precautionary statements (GHS-US) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear work gloves  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P501 - Dispose of container in accordance with local, regional or national regulations  
P261 - Avoid breathing dust  
P271 - Use only outdoors or in a well-ventilated area  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a poison center if you feel unwell

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### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name         | Product identifier | %     | Classification (GHS-US)   |
|--------------|--------------------|-------|---|
| n-pentane    | (CAS No) 109-66-0  | < 4.7 | Flam. Liq. 2, H225<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| Carbon black | (CAS No) 1333-86-4 | < 1   |   |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, well-ventilated area. Assure storage containers or areas and shipping containers are adequately ventilated. No smoking, no matches, no lighters, no welding rules should be enforced. Install according to manufacturer's recommendations.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| n-pentane (109-66-0)     |                                     |                        |
|--------------------------|-------------------------------------|------------------------|
| USA ACGIH                | ACGIH TWA (ppm)                     | 1000 ppm               |
| USA ACGIH                | ACGIH STEL (ppm)                    | 1000 ppm               |
| USA OSHA                 | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 2950 mg/m <sup>3</sup> |
| USA OSHA                 | OSHA PEL (TWA) (ppm)                | 1000 ppm               |
| Carbon black (1333-86-4) |                                     |                        |
| USA ACGIH                | ACGIH TWA (mg/m <sup>3</sup> )      | 3 mg/m <sup>3</sup>    |
| USA ACGIH                | Remark (ACGIH)                      | Bronchitis             |
| USA OSHA                 | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 3.5 mg/m <sup>3</sup>  |

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.  
Hand protection : Wear work gloves.  
Eye protection : Chemical goggles or safety glasses.  
Respiratory protection : Wear appropriate mask.  
Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Color : White to light yellow  
Odor : characteristic  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : ≈ 121.1 °C  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available

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|                                 |   |
|---------------------------------|---|
| Decomposition temperature       | : No data available   |
| Flammability (solid, gas)       | : No data available   |
| Vapor pressure                  | : No data available   |
| Relative vapor density at 20 °C | : No data available   |
| Specific Gravity                | : < 1   |
| Solubility                      | : Insoluble in water.<br>Water: Solubility in water of component(s) of the mixture :<br>•: 0.040 g/100ml •: •: < 0.01 g/100ml |
| Log Pow                         | : No data available   |
| Log Kow                         | : No data available   |
| Viscosity, kinematic            | : No data available   |
| Viscosity, dynamic              | : No data available   |
| Explosive properties            | : No data available   |
| Oxidizing properties            | : No data available   |
| Explosive limits                | : No data available   |

### 9.2. Other information

VOC content : ≈ 0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>n-pentane (109-66-0)</b> |   |
|-----------------------------|---|
| LD50 oral rat               | > 2000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)         |
| LD50 dermal rabbit          | 3000 mg/kg (Rabbit; Literature study)   |
| LC50 inhalation rat (mg/l)  | > 18 mg/l/4h (Rat; Literature study; >25.3 mg/l/4h; Rat; Read-across)         |
| LC50 inhalation rat (ppm)   | > 6100 ppm/4h (Rat; Literature study; >20000 ppm/4h; Rat; Experimental value) |
| ATE US (dermal)             | 3000.00000000 mg/kg body weight   |

| <b>Carbon black (1333-86-4)</b> |   |
|---------------------------------|---|
| LD50 oral rat                   | > 8000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value) |
| LD50 dermal rabbit              | > 3000 mg/kg (Rabbit)   |

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity            | : Not classified |

| <b>Carbon black (1333-86-4)</b> |                                      |
|---------------------------------|--------------------------------------|
| IARC group                      | 2B - Possibly carcinogenic to humans |

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|   |   |
|---|---|
| Reproductive toxicity                               | : Not classified  |
| Specific target organ toxicity (single exposure)    | : Not classified  |
| Specific target organ toxicity (repeated exposure)  | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

| <b>n-pentane (109-66-0)</b>    |   |
|--------------------------------|---|
| LC50 fish 1                    | > 100 mg/l (96 h; Oncorhynchus kisutch; GLP)              |
| EC50 Daphnia 1                 | 3.6 mg/l (48 h; Chaetogammarus marinus; Locomotor effect) |
| EC50 other aquatic organisms 1 | 1 mg/l (8 h; Plankton; Photosynthesis)                    |
| LC50 fish 2                    | 9.87 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)     |
| EC50 Daphnia 2                 | 9.7 mg/l (48 h; Daphnia magna; Locomotor effect)          |
| Threshold limit algae 1        | .507 - .647, Algae  |
| Threshold limit algae 2        | 1.94 - 2.33, 72 h; Algae                                  |

| <b>Carbon black (1333-86-4)</b> |                                       |
|---------------------------------|---------------------------------------|
| LC50 fish 1                     | > 1000 mg/l (96 h; Brachydanio rerio) |
| EC50 Daphnia 1                  | > 5600 mg/l (24 h; Daphnia magna)     |

#### 12.2. Persistence and degradability

| <b>SOPRA-ISO Insulation and SOPRA-ISO Insulation Plus</b> |                  |
|---|------------------|
| Persistence and degradability                             | Not established. |

| <b>n-pentane (109-66-0)</b>   |  |
|-------------------------------|--|
| Persistence and degradability | Readily biodegradable in water. No (test) data on mobility of the substance available. May cause long-term adverse effects in the environment. |

| <b>Carbon black (1333-86-4)</b> |   |
|---------------------------------|---|
| Persistence and degradability   | Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil. Not established. |
| Biochemical oxygen demand (BOD) | Not applicable  |
| Chemical oxygen demand (COD)    | Not applicable  |
| ThOD                            | Not applicable  |
| BOD (% of ThOD)                 | Not applicable  |

#### 12.3. Bioaccumulative potential

| <b>SOPRA-ISO Insulation and SOPRA-ISO Insulation Plus</b> |                  |
|---|------------------|
| Bioaccumulative potential                                 | Not established. |

| <b>n-pentane (109-66-0)</b> |  |
|-----------------------------|--|
| BCF fish 1                  | 171 (Pimephales promelas)  |
| Log Pow                     | 3.45 (Experimental value; 25 °C)   |
| Bioaccumulative potential   | No straightforward conclusion can be drawn based upon the available numerical values. Not established. |

| <b>Carbon black (1333-86-4)</b> |                                       |
|---------------------------------|---------------------------------------|
| Bioaccumulative potential       | Not bioaccumulative. Not established. |

#### 12.4. Mobility in soil

| <b>n-pentane (109-66-0)</b> |                   |
|-----------------------------|-------------------|
| Surface tension             | 0.013 N/m (20 °C) |

| <b>Carbon black (1333-86-4)</b> |  |
|---------------------------------|--|
| Ecology - soil                  | Not toxic to plants. Not toxic to animals. |

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### 12.5. Other adverse effects

Effect on ozone layer : No additional information available  
Effect on the global warming : No known ecological damage caused by this product.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of container in accordance with local, regional or national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport

### Additional information

Other information : No supplementary information available.

### ADR

Transport document description :

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### SOPRA-ISO Insulation and SOPRA-ISO Insulation Plus

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### n-pentane (109-66-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not listed on the United States SARA Section 313

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

### 15.2.2. National regulations

No additional information available

### 15.3. US State regulations

#### Carbon black (1333-86-4)

|   |   |   |   |                                   |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes   |   |   |   |                                   |

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### n-pentane (109-66-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

### Carbon black (1333-86-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Revision date : 09/11/2019

Other information : None.

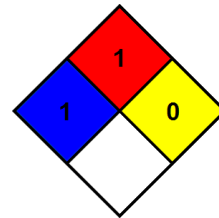
Full text of H-phrases: see section 16:

|                   |  |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Asp. Tox. 1       | Aspiration hazard Category 1                                     |
| Flam. Liq. 2      | Flammable liquids Category 2                                     |

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012) - Custom

*This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).*

*The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*