

## Safety Data Sheet

According to U.S.A. Federal Hazcom 2012 Issue date: 27.03.2025 Version: 0.0

#### 1. Identification

#### 1.1. Product identifier

Trade name Kraken Bond Xtreme Pro Window & Door
Product code GF-SG3500
Product form Mixture

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

No information available

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

LOTUS GLOBAL TRADE LLC 13905 Willard Rd. Chantilly, 20151 USA info@krakenbond.net

#### 1.4. Emergency telephone number

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night 1-800-424-9300

### 2. Hazards identification

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

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). The product thus requires a safety datasheet.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Classification and Hazard Statement

Aerosol, category 1
Pressurised gas
Carcinogenicity, categor

Carcinogenicity, category 2 Acute toxicity, category 4

Specific target organ toxicity - repeated exposure, category 2

Eye irritation, category 2 Skin irritation, category 2

Specific target organ toxicity - single exposure, category 3

Respiratory sensitization, category 1 Skin sensitization, category 1

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Suspected of causing cancer.

Harmful if inhaled.

May cause damage to organs through prolonged or repeated exposure.

Causes serious eye irritation. Causes skin irritation.

May cause respiratory irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Hazard pictograms:







Signal words:

Danger



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#### Hazard statements:

**H222** Extremely flammable aerosol.

**H280** Contains gas under pressure; may explode if heated.

**H351** Suspected of causing cancer.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

**H335** May cause respiratory irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**H317** May cause an allergic skin reaction.

#### Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P211** Do not spray on an open flame or other ignition source.

**P251** Do not pierce or burn, even after use.

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P202 Do not handle until all safety precautions have been read and understood.

P201 Obtain special instructions before use.

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

P284 [In case of inadequate ventilation] wear respiratory protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsina.

P308+P313 IF exposed or concerned: Get medical advice / attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

Storage:

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.

Disposal:

**P501** Dispose of contents / container to . . .

#### 2.2. Other hazards

Information not available

## 3. Composition/information on ingredients

#### 3.1. Substances

Not applicable



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#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification  Carcinogenicity, category 2 H351, Acute toxicity, category 4 H332, Specific target organ toxicity - repeated exposure, category 2 H373, Eye irritation, category 2 H319, Skin irritation, category 2 H315, Specific target organ toxicity - single exposure, category 3 H335, Respiratory sensitization, category 1 H334, Skin sensitization, category 1 H317			
Isocyanic acid, polymethylenepolyphenylene ester	(CAS-No.) 9016-87-9	35-50				
Reaction products of phosphoryl trichloride and 2-methyloxirane	(CAS-No.) 13674-84-5	5-15	Acute Tox. 4 H302, Aquatic Chronic 3 H412			
isobutane	(CAS-No.) 75-28-5	2.5-10	Flammable gas, category 1 H220, Pressurised gas H280			
propane	(CAS-No.) 74-98-6	2.5 - 10	Flammable gas, category 1 H220, Pressurised gas H280			
dimethyl ether	(CAS-No.) 115-10-6	2.5-10	Flammable gas, category 1 H220, Pressurised gas H280			

The full wording of hazard (H) phrases is given in section 16 of the sheet.

#### 4. First-aid measures

#### 4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

## Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.



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#### 5. Fire-fighting measures

#### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

#### 5.3. Advice for firefighters

#### **GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## 6. Accidental release measures

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

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

#### 6.2. Environmental precautions

Do not disperse in the environment.

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

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

#### 7. Handling and storage

## 7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

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

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources



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#### 7.3. Specific end use(s)

Information not available

#### 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory references:

USA NIOSH-REL NIOSH publication No. 2005-149, 3th printing, 2007.

Isobutane										
Threshold Limit Value										
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
NIOSH	USA	1900	800							

Legend: (C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must comply with current regulations.

#### HAND PROTECTION

Protective Gloves.

### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.

#### **EYE PROTECTION**

Wear airtight protective goggles (OSHA 29 CFR 1910.133).

## RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a NIOSH certified combined filter should be worn (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

#### **ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### 9. Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

PropertiesValueAppearanceLiquid under pressure

Colour yellowish
Odour characteristic
Odour threshold not available
pH not available



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Melting point / freezing point not available not available Initial boiling point Boiling range not available Flash point not available Evaporation rate not available

Flammability Extremely flammable aerosol

Lower explosive limit not available Upper explosive limit not available Vapour pressure 5 Bar not available Vapour density Relative density not available Solubility not available Partition coefficient: n-octanol/water not available Auto-ignition temperature not available not available Decomposition temperature Viscosity not available Explosive properties not available Oxidising properties not available

#### 9.2. Other information

Information not available

### 10. Stability and reactivity

#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

## 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

## 10.4. Conditions to avoid

Avoid overheating.

## 10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

## 10.6. Hazardous decomposition products

Information not available

## 11. Toxicological information

## 11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available



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#### Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

**ACUTE TOXICITY** 

Acute toxicity, category 4. Harmful if inhaled.

SKIN CORROSION / IRRITATION

Causes skin irritation

**SERIOUS EYE DAMAGE / IRRITATION** 

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Sensitising for the respiratory system

**GERM CELL MUTAGENICITY** 

Does not meet the classification criteria for this hazard class

**CARCINOGENICITY** 

Suspected of causing cancer

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, and OSHA.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

**STOT - SINGLE EXPOSURE** 

May cause respiratory irritation

STOT - REPEATED EXPOSURE

May cause damage to organs

**ASPIRATION HAZARD** 

Does not meet the classification criteria for this hazard class

#### 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.



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#### 12.1. Toxicity

Information not available

### 12.2. Persistence and degradability

**PROPANE** 

0.1 - 100 mg/l Solubility in water

Rapidly degradable

#### 12.3. Bioaccumulative potential

**PROPANE** 

Partition coefficient: n-octanol/water 1.09

### 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage than 0,1%.

## 12.6. Other adverse effects

Information not available

## 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### 14. Transport information

#### 14.1. UN number

ADR / RID, IMDG, IATA: UN 1950

## 14.2. UN proper shipping name

ADR / RID: **AEROSOLS** IMDG: **AEROSOLS** 

IATA: AEROSOLS, FLAMMABLE



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#### 14.3. Transport hazard class(es)

Label: 2.1 ADR / RID: Class: 2

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1



#### 14.4. Packing group

ADR / RID, IMDG, IATA:

#### 14.5. Environmental hazards

ADR / RID: NO

IMDG: not marine pollutant

IATA: NO

## 14.6. Special precautions for user

ADR / RID: Limited Quantities: 1 It Tunnel restriction code: (D) HIN - Kemler: --

Special provision: 190, 327, 344, 625

Limited Quantities: 1 It IMDG: EMS: F-D, S-U

IATA: Cargo: Maximum quantity: 150 kg Packaging instructions: 203 Packaging instructions: 203

Passengers: Maximum quantity: 75 kg

Special provision: A145, A167, A802

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

## 15. Regulatory information

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

#### U.S. Federal Regulations

Clean Air Act Section 112(b):

No component(s) listed.

## Clean Air Act Section 602 Class I Substances:

No component(s) listed.



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# Clean Air Act Section 602 Class II Substances: No component(s) listed. Clean Water Act Priority Pollutants: No component(s) listed. Clean Water Act Toxic Pollutants: No component(s) listed. DEA List I Chemicals (Precursor Chemicals): No component(s) listed. DEA List II Chemicals (Essential Chemicals): No component(s) listed. **EPA List of Lists:** 313 Category Code: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester EPCRA 302 EHS TPQ: No component(s) listed. EPCRA 304 EHS RQ: No component(s) listed. CERCLA RQ: No component(s) listed. EPCRA 313 TRI: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester RCRA Code: No component(s) listed. CAA 112 (r) RMP TQ:

74-98-6 Propane (Alkanes, Alkanes (aliphatic hrydrocarbon alkanes, C1-C4)) 115-10-6 Dimethyl ether

75-28-5 Isobutane



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#### State Regulations

74-98-6 Propane (Alkanes, Alkanes (aliphatic hrydrocarbon alkanes, C1-C4))

Dimethyl ether 115-10-6 75-28-5 Isobutane

Minnesota:

74-98-6 Propane (Alkanes, Alkanes (aliphatic hrydrocarbon alkanes, C1-C4))

115-10-6 Dimethyl ether

New Jersey:

74-98-6 Propane (Alkanes, Alkanes (aliphatic hrydrocarbon alkanes, C1-C4))

115-10-6 Dimethyl ether

9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

75-28-5 Isobutane

New York:

No component(s) listed.

Pennsylvania:

74-98-6 Propane (Alkanes, Alkanes (aliphatic hrydrocarbon alkanes, C1-C4))

115-10-6 Dimethyl ether 75-28-5 Isobutane

California:

No component(s) listed.

#### Proposition 65:

This product does not contain any substances know to the State of California to cause cancer, reproductive harm or birth defects.

#### International Regulations

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None



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#### 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H351 Suspected of causing cancer.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

#### LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAA 112 ® RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®)
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: Regulation (EC) 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- REACH: Regulation (EC) 1907/2006
- REL: Recommended exposure limit
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TSCA: Toxic Substances Control Act
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

#### GENERAL BIBLIOGRAPHY:

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition



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- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Comunication Standard (HCS 2012)
- IARC website
- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachussetts 105 CMR Department of public health 670.000: "Right to Know"
- Minensota Chapter 5206 Departemnt Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

#### CALCULATION METHODS FOR CLASSIFICATION

Product classification derives from criteria established by the OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200), unless determined otherwise in Section 11 and 12. The data for evaluation of chemical-physical properties are reported in section 9.

#### **KRAKEN SDS**

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