

HEXANE

April 6, 2022, Version 09

Page 1 of 18

In accordance with Regulation (EU) 2015/830

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier

Product name: HEXANE

Chemical name: Hydrocarbons, C6, N-alkanes, isoalkanes, cyclic, n-hexane rich

Synonyms:

Trade Name: HEXANE, HEXANES

Chemical formula: Combination of mainly CnH2n+2 and CnH2n

structures, comprised mainly within a C6 carbon number.

Product type: Aliphatic and Alicyclic Hydrocarbons

CAS number: 64742-49-0 **EC number:** 925-292-5

REACH registration no(s): 01-2119474209-33-0011

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

Intended Use: Solvent

Identified Uses:

Manufacture of Substance
Distribution of Substance
Formulation and (Re)packing of Substances and Mixtures
Use in Coatings
Use in Cleaning Agents
Use in Lubricants
Use as a Blowing Agent
Use in Agrochemicals
Use in Laboratories
Use in Polymer Processing
Uses in Mining Operations

Uses advised against: This product is not recommended for any industrial, professional or consumer use other than the Identified Uses above.

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification



HEXANE April 6, 2022, Version 09

Page 2 of 18

Supplier/Manufacturer: GADIV PETROCHEMICAL INDUSTRIES Ltd.

P.O.B 4 HAIFA

Tel: +972-4-8788020 Fax: +972-4-8788018 E-mail: Gadiv@orl.co.il

1.4 Emergency telephone number

Emergency telephone number (including hours of operation): +972-4-8788013

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

Flammable liquids, Category 2
Reproductive toxicity, Category 2
Aspiration toxicity, Category 1
Skin irritation, Category 2
Specific target organ toxicity - repeated exposure, Category 2
Specific target organ toxicity - single exposure, Category 3
Aquatic chronic toxicity, Category 2



HEXANE

April 6, 2022, Version 09

Page 3 of 18

2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:









Signal word: Danger

Hazard statements:

H225: Highly flammable liquid and vapour.

H361: Suspected of damaging fertility or the unborn child

H304: May be fatal if swallowed and enters airways.

H373: May cause damage to organs

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P243: Take precautionary measures against static discharge.

P273: Avoid release to the environment.

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

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

P331: Do NOT induce vomiting.

P403+P235: Store in a well-ventilated place. Keep cool.

2.3 Other hazards

Does not meet the criteria for PBT or vPvB.

Vapours can build explosive mixtures with air.

This material can accumulate electrical static discharge, and undergo electrical ignition.



HEXANE

April 6, 2022, Version 09

Page 4 of 18

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

<u>Description of the substance</u>: A complex and variable combination of aliphatic hydrocarbons (UVCB) having a carbon number predominantly of C6 and boiling in the range of approximately 55°C to 85°C. Hydrocarbon constituents are primarily linear, branched paraffinic and cyclic saturated hydrocarbons. The content of n-hexane is between 5% and 60%.

Component	Identifiers	%	EU Classification	GHS Classification
Hydrocarbons, C6	CAS number: N\A	100	F; R11	Flam. Liquid 2; H225
n-alkanes, iso-	EC number: 925-292-5		Xn; R48/20, R65	Repr. 2; H361
alkanes, cyclics, n-			R67	Asp. Tox. 1; H304
hexane rich			Xi; R38	Skin Irritation 2; H315
			Repr. Cat. 3; R62	STOT RE 2; H373
	REACH registration		N; R51/53	STOT SE 3; H336
	no(s): 01-2119474209-			Aquatic Chronic 2; H411
	33-0011			·

Additional Information:

Component	Identifiers	%	EU	GHS Classification
			Classification	
n-Hexane	CAS number: 110-54-3	20-45%	F; R11	Flam. Liquid 2; H225
	EC number: 203-777-6		Xn; R48/20, R65	Repr. 2; H361
			R67	Asp. Tox. 1; H304
	REACH registration		Xi; R38	Skin Irritation 2; H315
	no.: No Data		Repr. Cat. 3; R62	STOT RE 2; H373
			N; R51/53	STOT SE 3; H336
				Aquatic Chronic 2; H411

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8. See section 16 for the full text of the H-statements and R-phrases declared above.

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures



HEXANE

April 6, 2022, Version 09

Page 5 of 18

Inhalation: Transport the person out of the contaminated area, keep warm and allow to rest. Get medical attention. Symptoms: Euphoria.

At high concentrations: Irritation of eyes (watering, conjunctivitis). Drowsiness; Headaches; Dizziness; Nausea; Intoxication.

Ingestion: Do not induce vomiting to avoid the risk of aspiration into the respiratory tract. Get medical attention immediately. Symptoms: Irritation of the digestive system, Nausea, Vomiting, Abdominal pain, Diarrhea.

In the extent of ingestion with bronchial inhalation: Pneumonopathy with respiratory distress.

Skin contact: Immediately remove all soiled or stained clothing. Wash thoroughly with soap and water. Symptoms: Skin irritation, Erythema, Oedema, Pruritis.

Eyes contact: Wash immediately in copious amounts of water, keeping eyelids apart for at least 15 minutes and consult a specialist. Symptoms: Conjuncityitis

Aspiration: If the product is believed to have entered the lungs (in case of vomiting for example) take the person to hospital for immediate care

4.2 Most important symptoms and effects, both acute and delayed

Acute health effects: Drowsiness, dizziness, skin irritation.

Delayed effects: N/A.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote; medical staff contacts Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Special treatments: No specific treatment.

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), dry chemicals, foam.

Not recommended: Water jet.



HEXANE

April 6, 2022, Version 09

Page 6 of 18

5.2 Specific hazards

Highly flammable vapours are heavier than air and may spread on the ground to sources of ignition. Vapours can build explosive mixtures with air.

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled.

5.3 Protective measures for firefighters

Insulated breathing apparatus must be worn in confined premises with heavy concentrations of fumes and gases.

Wear appropriate protective clothing.

Other: All combustion residues and contaminated water from fire-fighting should be disposed of according to local regulations

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal protections

In case of spill in a closed area, clear this area, ventilate thoroughly and let qualified personnel intervene.

Hydrocarbon-proof gloves, goggles, boots and clothing should be worn as applicable to risks of exposure.

6.2 After spillage / leakage

Stop the leak by turning off the valve. Contain the spilled product. Do not allow the product to enter sewers or rivers or contaminate the soil.

Contact the competent authorities if the situation cannot be brought under control rapidly and efficiently.

6.3 Spill cleanup methods

If the material has been discharged in a stream or a sewer, inform the authorities.

Recovery: Use flame-proof and explosion-proof material. Contain and collect the spilled product with sand or any other inert absorbent material. Preserve the wastes in closed and sealed recipients.

Elimination: Dispose material in compliance with regulations. Rinse by flooding the surface with water.

6.4 Prevention of secondary risk



HEXANE

April 6, 2022, Version 09

Page 7 of 18

Eliminate possible causes of ignition. Stop all work that requires an open flame, stop all vehicles, stop all machines and equipment that may cause sparks or flames.

6.5 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevention of user exposure: Handle in a well ventilated premises. Evaluate the vapours at their emission source and generally ventilate the premises. DO NOT INHALE VAPOURS. AVOID CONTACT WITH THE EYES, SKIN AND MUCOUS MEMBRANES. Carry out an appropriate industrial operation using sealed apparatus.

Prevention of fire and explosion: Handle away from any source of ignition. Prevent any build-up of static electricity. Do not smoke. Do not use compressed oxygen or air when transferring or pouring the products. Carry out an appropriate industrial operation using sealed apparatus.

Arrange machinery and equipment so as to prevent the sheet of burning product from spreading (retention pits and basins, siphons in the water drainage system, etc.). OPERATE ONLY ON COLD AND DEGASSED RESERVOIRS IN VENTILATED PREMISSES (TO AVOID RISK OF EXPLOSION).

Precautions while moving the product: To prevent risks related to static electricity, ensure that the machinery, equipment and tanks are properly earthed. Prohibit splash loading and ensure that the product is poured slowly, particularly at the beginning of the operation. Do not spray at high pressure (>3 bar).

Hygiene Measures: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Prevent any build up of static electricity.

Storage precautions - suitable: Store away from all sources of ignition and heat. Containers and equipment must be earthed in order to prevent sparks due to static electricity. Keep containers closed when not in use.



HEXANEApril 6, 2022, Version 09

Page 8 of 18

Incompatible products: Avoid contact with strong oxidizing agents.

Packaging materials: Materials recommended – steel, stainless steel.

7.3 Specific end use(s):

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Deraived effects levels:

Recommended occupational and consumer exposure limit values (following from the preformed CSA):

Derived No Effect Level (DNEL)

Exposure pattern	Route	Workers	General population
Long-term – systemic effects	Oral	N/A	6 mg/kg bw/day
Long-term – systemic effects	Dermal	13 mg/kg bw/day	7 mg/kg bw/day
Long-term – systemic effects	Inhalation	93 mg/m³ /8 hours	20 mg/m³ /24 hours

8.2 Exposure controls

Technical Measures

Use this product in a well ventilated atmosphere with explosion-proof equipment.

Person Protective measures

Occupational exposure limit:

n-hexane (FRANCE & EU) – VME = 20 ppm (72 mg/m3). France C6-C12 hydrocarbon vapours: VLE = 1500 mg/m3, VME = 1000 mg/m3.



HEXANE

April 6, 2022, Version 09

Page 9 of 18

<u>Respiratory protections:</u> In case of risk of exposure exceeding the mean exposure value, an appropriate breathing apparatus must be worn by each individual.

When using a mask or half-mask: Organic vapour cartridge, type Ax (if vapour inhalation is a risk).

In case of vapours or spray formation: Combined gas cartridge (organic gases and dust, filter A/P2).

Be aware that filter protection time is limited.

Eye protection: Wear safety goggles.

Skin protection

Hand protection: Use liquid proof of aliphatic solvent-resisting gloves.

Recommended materials in case of splashes or limited contact:

Polychloroprene – Thickness: >0.7 mm – Permeation time according to EN 374-3: >180 minutes

Nitrile – Thickness: >0.2 mm – Permeation time according to EN 374-3: >480 minutes.

Fluoro polymer & PVA – Any thickness. Permeation time according to EN 374-3: >480 minutes. For more precise details about the choice of appropriate protective gloves, please contact the manufacturer.

Skin and body (other than the hands): Wear appropriate protective clothing. Wear boots. Wear face protection.

Hygienic work practices: Do not eat, drink or smoke whilst handling the product.

Environmental exposure controls:

Do not allow material to contaminate ground water system.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Molecular weight (average): 85.2 Appearance: Liquid, colourless

Odour: N/A

Odour threshold: N/A pH: Not available

Melting point / Freezing point / Pour point: below the lower limit of -20 deg C

Initial boiling point / Boiling range: 55-85 deg C.

Flash point: -20 deg C Evaporation rate: N/A

Flammability (solid, gas): N/A

Upper/lower flammability or explosive limits: upper 1.2%, lower 8.3%, v/v.

Vapor pressure: 19 - 50 kPa at 25 deg C

Vapor density (air=1): N/A

Auto-ignition temperature: > 200 deg C. Decomposition temperature: Not available



HEXANE

April 6, 2022, Version 09

Page 10 of 18

Explosive properties: Not applicable (there are no chemical groups associated with explosive properties present in the substance).

Oxidizing properties: Not applicable (substance is incapable of reacting exothermically with combustible materials on the basis of its chemical structure).

Water Solubility: The water solubility is between 0.0098 g/L for n-hexane and 0.0137 g/L for isohexane at 25 deg C.

Partition coefficient Octanol/Water: 3.6 for isohexane and 4 for normal-hexane.

Relative Density: 0.65 – 0.70 g/cm3. Typical value: 0.677 (15 deg C).

Viscosity: 0.4-0.7 mm²/s (at 20 deg C).

Surface tension: 18 - 20 mN/m

Section 10: STABILITY AND REACTIVITY

10.1 Stability

The product is stable at normal storage, handling and use temperatures.

10.2 Conditions to avoid

Heat, sparks, ignition points, flames, static electricity.

10.3 Materials to avoid

Keep away from strong oxidizing agents.

10.4 Hazardous Decomposition products

Incomplete combustion and thermolysis produce potentially toxic gases such as: carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Product / ingredient	Test	Species	Dose
name			
Hydrocarbons, C7,	LD50, Oral	Rat (male)	> 25 mL/Kg bw (male) (16.75 g/Kg)
n-alkanes, isoalkanes,	LC50, Inhalation (4h)	Rat (male)	73860 ppm (male) (259354 mg/m3)
cyclics	LD50, Dermal	Rabbit (male)	> 5 mL/Kg bw (male) (3.35 g/Kg)

Skin corrosion/irritation: Classified as a Category 2 skin irritant.



HEXANEApril 6, 2022, Version 09

Page 11 of 18

Serious eye damage/irritation: Not irritating.

Respiratory or skin sensitization: Not sensitizing.

CMR EFFECTS

Carcinogenicity: Not classified for carcinogenicity.

Mutagenicity: All genetic toxicity tests, both in vitro and in vivo, were negative.

Reproductive toxicity: Classified as a Category 2 reproductive toxicant. Specific effect: focal degeneration of spermatocytes, exfoliation of elongated spermatids, testicular lesions observed in rats treated with n-hexane.

<u>Specific target organ toxicity (single exposure)</u>: STOT Single Exp. 3 (Hazard statement H336: May cause drowsiness or dizziness.

Affected organs: Nervous system.

Route of exposure: Inhalation

<u>Specific target organ toxicity (repeated exposure)</u>: STOT Repeated Exp. 2 (Hazard statement H373: May cause damage to organs through prolonged or repeated exposure.

Affected organs: Nervous system.

Route of exposure: Inhalation

<u>Aspiration hazard</u>: Aspiration of hydrocarbon substances can result in severe acute effects such as chemical pneumonitis or varying degrees of pulmonary injury. Aspiration Toxicity 1 (Hazard statement H304: May be fatal if swallowed and enters airways).

Other effects: No data available

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity



HEXANE

April 6, 2022, Version 09

Page 12 of 18

Substance name	Toxicity to fish	Toxicity to crustaceans	Toxicity to algae	Toxicity to other aquatic plants	Other toxicity data (birds, bees, plants etc.)
Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich	Oncorhynchus mykiss: LL50 (96 h) 13.37 mg/L NOELR (28 d): 2.992 mg/L	Daphnia magna: EL50 (48 h) 23.35 mg/L NOELR (21 d) 5.224 mg/L	Pseudokirchnerella subcapitata: EL50 (72 h) 9.902 mg/L		

12.2 Persistence and Degradability

The substance is readily biodegradable

12.3 Bioaccumulative potential

Does not greatly bioaccumulate in the lipids of ecological receptor.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects

Not available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste disposal

Prevent from entering sewers or the immediate environment.

Waste must be disposed in compliance with the prevailing regulations.

Relevant disposal method: The only method authorized is collection by an authorized waste contractor and regeneration or incineration in an approved installation.



HEXANE April 6, 2022, Version 09

Page 13 of 18

13.2 Disposal of contaminated packaging

Relevant disposal method: Empty packaging may contain flammable or explosive vapours. Hand over to an authorized contractor. Proceed in compliance with the prevailing regulations.

Section 14: TRANSPORT INFORMATION

14.1 Land Transportation (ADR/RID)

UN number: 1208

Proper shipping name: HEXANES

Hazard class: 3

Packing group: II

ADR/RID-Labels: 3

Hazchem code: 3YE

Description: UN 1208, HEXANES, 3, PG II, (D/E)

14.2 Inland Waterway Transport (ADN(R))

UN number: 1208

Proper shipping name: HEXANES

Hazard class: 3

Classification code: F1

Packing group: II

Hazard labels: 3

Description: UN 1208, HEXANES, 3, PG II

14.3 Marine Transport (IMDG)



HEXANEApril 6, 2022, Version 09

Page 14 of 18

UN number: 1208

Proper shipping name: HEXANES

Chemical name: Hexanes

Hazard class: 3

Packing group: II

EmS number: F-E, S-D

Labels: 3

Marine Pollutant

Description: UN 1208, HEXANES, 3, PG II, (-27°C C.C.)

14.4 Air Transport (ICAO/IATA)

UN number: 1208

Proper shipping name: HEXANES

Chemical name: Hexanes

Hazard class: 3

Packing group: II

Labels: 3

Description: UN 1208, HEXANES, 3, PG II

Section 15: REGULATORY INFORMATION

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

EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

EU Regulation (EC) No.1907/2006 (REACH)



HEXANE

April 6, 2022, Version 09

Page 15 of 18

EU Regulation (EC) No 1272/2008 (CLP)

15.2 Chemical safety assessment

In accordance with REACH article 14, a Chemical Safety Assessment has been carried out for this substance.

Section 16: OTHER INFORMATION

Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC







F - Flammable Xn - Harmful

N - Dangerous for the environment

R11: Highly flammable

R65: Harmful: may cause lung damage if swallowed R67: Vapours may cause drowsiness and dizziness

R48/20: Harmful: danger of serious damage to health by prolonged exposure through

inhalation

R38: Irritating to skin

R62: Possible risk of impaired fertility

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment

Full text of R-phrases referred to in sections 2 and 3:

R11 - Highly flammable.

R38 - Irritating to skin.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation

R62 - Possible risk of impaired fertility

R65 - Harmful: may cause lung damage if swallowed.

R67 - Vapours may cause drowsiness and dizziness.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:



HEXANE

April 6, 2022, Version 09

Page 16 of 18

- S09 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition No smoking.
- S33 Take precautionary measures against static discharges.
- S36/37 Wear suitable protective clothing and gloves.
- S43 For extinguishing, use foam or dry chemical or carbon dioxide; water may be ineffective.
- S57 Use appropriate container to avoid environmental contamination.
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Full text of Hazards Statements referred to in sections 2 and 3:

- H225 Highly flammable liquid and vapour.
- H361 Suspected of damaging fertility or the unborn child.
- H304 May be fatal if swallowed and enters airways.
- H373 May cause damage to organs.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P102 Keep out of reach of children. (General statement P102 is only used when sold to the general public.)
- P103: Read label before use.
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/... / equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260: Do not breathe fume/mist/vapours/spray.
- P261 Avoid breathing fume/mist/vapours/spray.
- P264 Wash hands and face thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281: Use personal protective equipment as required.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.



HEXANE

April 6, 2022, Version 09

Page 17 of 18

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P332+P313 - If skin irritation occurs: Get medical advice/attention.

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

P314: Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see... on this label).

P331 - Do NOT induce vomiting.

P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use Halon, carbon dioxide or foam for extinction.

P391 - Collect spillage.

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

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501: Dispose of contents/container to flammable material waste barrels.

Training advice: Before using/handling the product one must read carefully present MSDS.

Recommended restriction: N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

H-statements – Hazard statements

P-statements – Precautionary statements

UVCB - Substances of Unknown or Variable composition, Complex reaction products or Biological materials



HEXANE

April 6, 2022, Version 09 Page 18 of 18

Date of issue: April 6, 2022

Version no. 9

To 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 or 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.