

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/27/2026

Reviewed on 07/27/2026

1 Identification

- Product identifier

- **Trade name:** ND® Plastisol

- **Synonyms:** JX-92D (Black)

- Other means of identification

- **Part number:** JX92DB

- **Application of the substance / the mixture**

Sealing

Sealant

- Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

ND Industries, a subsidiary of H.B. Fuller Company

1000 North Crooks Road

Clawson, MI 48017

USA

Telephone: +1-248-288-0000

Email: nd-info@hbfuller.com

Websites: www.ndindustries.com | www.vibra-tite.com

- **Information department:** Product Safety Department

- Emergency telephone number:

United States: 1-800-424-9300

International: +1-703-527-3887

2 Hazard(s) identification

- Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity 2

Reproductive toxicity 1B

Specific target organ toxicity (single exposure) 1

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H360 May damage fertility or the unborn child.

H370 Causes damage to the nervous system.



GHS07

Sensitization - skin 1

H317 May cause an allergic skin reaction.

- Label elements

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

- Hazard pictograms



GHS07 GHS08

- **Signal word** Danger

- Hazard-determining components of labeling:

bis(2-ethylhexyl) phthalate

resorcinol

Carbon black

- Hazard statements

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H360 May damage fertility or the unborn child.

H370 Causes damage to the nervous system.

- Precautionary statements

P201 Obtain special instructions before use.

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

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

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

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- P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P280 Wear protective gloves.
 P302+P352 If on skin: Wash with plenty of water.
 P308+P311 IF exposed or concerned: Call a poison center/doctor/800-222-1222
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P321 Specific treatment (see on this label).
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

- Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

- Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/information on ingredients

- Chemical characterization: Mixtures

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

- Dangerous components:

CAS: 117-81-7	bis(2-ethylhexyl) phthalate	15 – 40%
	Carcinogenicity 2, H351; Reproductive toxicity 1B, H360	
CAS: 108-46-3	resorcinol	0.5 – 1.5%
	Specific target organ toxicity (single exposure) 1, H370; Acute toxicity - oral 4, H302; Skin irritation 2, H315; Eye irritation 2A, H319; Sensitization - skin 1B, H317	
CAS: 1333-86-4	Carbon black	0.1 – 1%
	Self-heating substances and mixtures 2, H252; Carcinogenicity 2, H351	

4 First-aid measures

- Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **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:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
 - **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
 Wear protective clothing.

- **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).
 Dispose contaminated material as waste according to section 13.
 Ensure adequate ventilation.
 Dispose of the collected material according to regulations.

- Reference to other sections

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

- **Information about protection against explosions and fires:** Keep respiratory protective device available.

- Conditions for safe storage, including any incompatibilities

- Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required

- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

- **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:**

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

PEL Long-term value: 5 mg/m³

REL Short-term value: 10 mg/m³

Long-term value: 5 mg/m³

See Pocket Guide App. A

TLV Long-term value: 0.1 mg/m³

Skin, A3

CAS: 108-46-3 resorcinol

REL Short-term value: 90 mg/m³, 20 ppm

Long-term value: 45 mg/m³, 10 ppm

TLV Short-term value: 90 mg/m³, 20 ppm

Long-term value: 45 mg/m³, 10 ppm

A4

CAS: 1333-86-4 Carbon black

PEL Long-term value: 3.5 mg/m³

REL Long-term value: 3.5* mg/m³

*0.1 in presence of PAHs; See Pocket Guide Apps. A+C

TLV Long-term value: 3* mg/m³

*inhalable fraction, A3

- Ingredients with biological limit values:

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

BEI 5 µg/g creatinine

Medium: -

Time: Postshift

Parameter: MEHP (population-based)

20 µg/g creatinine

Medium: -

Time: Postshift

Parameter: MEHHP (population-based)

15 µg/g creatinine

Medium: -

Time: Postshift

Parameter: MEOHP (population-based)

25 µg/g creatinine

Medium: -

Time: Postshift

Parameter: MECPP (population-based)

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

- Exposure controls

- **Appropriate engineering controls** No further data; see section 7.

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- Personal protective equipment:**- 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.
Store protective clothing separately.

- Breathing equipment:

Not required

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.

- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the 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.

Nitrile rubber, NBR

- 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.

- Eye protection: Required use of safety glasses

- Body protection: Protective work clothing

* 9 Physical and chemical properties

- Information on basic physical and chemical properties**- General Information****- Physical state**

Liquid

- Color:

Black

- Odor:

Characteristic

- Odor threshold:

Not determined

- Melting point/Melting range:

Undetermined

- Boiling point/Boiling range:

Undetermined

- Flammability:

Not applicable

- Explosion limits:**- Lower:**

0.2 Vol %

- Upper:

0.2 Vol %

- Flash point:

200 °C (392 °F)

- Auto igniting:

370 °C (698 °F)

- Decomposition temperature:

Not determined

- pH-value:

Not determined

- Viscosity:**- Kinematic:**

Not determined

- Dynamic:

Not determined

- Solubility in / Miscibility with**- Water:**

Not miscible or difficult to mix.

- Partition coefficient (n-octanol/water):

Not determined

- Vapor pressure at 20 °C (68 °F):

> 0 hPa

- Vapor pressure:**- Density at 20 °C (68 °F):** $\geq 0.99848 - \leq 0.99992 \text{ g/cm}^3 (\geq 8.33232 - \leq 8.34433 \text{ lbs/gal})$ **- Relative density**

Not determined

- Vapor density

Not determined

- Particle characteristics

Not applicable

- Other information**- Appearance:****- Form:**

Pasty

- Important information on protection of health and environment, and on safety.**- Ignition temperature:**

Product is not selfigniting.

- Danger of explosion:

Product does not present an explosion hazard.

- Solvent content:**- VOC content:**

0.00 %

0.0 g/l / 0.00 lb/gal

- Solids content:

60.0 %

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- **Change in condition**
- **Evaporation rate**

Not determined

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **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:**

ATE (Acute Toxicity Estimate)

Oral	LD50	33,333 mg/kg (ATE)
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CAS: 117-81-7 bis(2-ethylhexyl) phthalate

Oral	LD50	30,600 mg/kg (rat)
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Dermal	LD50	25,000 mg/kg (rabbit)
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CAS: 108-46-3 resorcinol

Oral	LD50	500 mg/kg (ATE)
------	------	-----------------

CAS: 1333-86-4 Carbon black

Oral	LD50	10,000 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- **Interactive effects** No interactive effects between components are known.

- **Carcinogenic categories**

- IARC (International Agency for Research on Cancer)

CAS: 117-81-7	bis(2-ethylhexyl) phthalate	2B
CAS: 108-46-3	resorcinol	3
CAS: 1333-86-4	Carbon black	2B

- NTP (National Toxicology Program)

CAS: 117-81-7	bis(2-ethylhexyl) phthalate	R
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- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

- **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

12 Ecological information

- **Toxicity**
 - **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.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
- **Other adverse effects**
 - **Additional ecological information:**
 - **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

- Waste treatment methods

- **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

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

14 Transport information

- UN-Number	
- DOT, ADN, IMDG, IATA	not regulated
- UN proper shipping name	
- DOT, ADN, IMDG, IATA	not regulated
- Transport hazard class(es)	
- DOT, ADN, IMDG, IATA	
- Class	not regulated
- Packing group	
- DOT, IMDG, IATA	not regulated
- Environmental hazards:	
- Marine pollutant:	No
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
- Special precautions for user	Not applicable
- UN "Model Regulation":	not regulated

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 is listed.

- Section 313 (Specific toxic chemical listings):

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

- TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

- Hazardous Air Pollutants

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

- Proposition 65

- Chemicals known to cause cancer:

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

- Chemicals known to cause developmental toxicity:

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

- Carcinogenic categories

- EPA (Environmental Protection Agency)

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

B2

- TLV (Threshold Limit Value)

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

A3

CAS: 108-46-3 resorcinol

A4

CAS: 1333-86-4 Carbon black

A4

- NIOSH-Ca (National Institute for Occupational Safety and Health)

CAS: 117-81-7 bis(2-ethylhexyl) phthalate

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CAS: 1333-86-4 Carbon black

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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:** H.B. Fuller Company | ND Industries Health and Environmental Affairs- **Contact:** Safety, Health and Environmental Affairs- **Classification System:**- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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

0	1	0
Health = 0	Fire = 1	Reactivity = 0

- **Date of previous version** 06/12/2024- **Version number of previous version:** 21- **Date of preparation** 07/27/2026- **Abbreviations and acronyms:**

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Self-heating substances and mixtures 2: Self-heating substances and mixtures – Category 2

Acute toxicity - oral 4: Acute toxicity – Category 4

Skin irritation 2: Skin corrosion/irritation – Category 2

Eye irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - skin 1: Skin sensitisation – Category 1

Sensitization - skin 1B: Skin sensitisation – Category 1B

Carcinogenicity 2: Carcinogenicity – Category 2

Reproductive toxicity 1B: Reproductive toxicity – Category 1B

Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1

- *** Data compared to the previous version altered.**- **Disclaimer**

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