

**SAFETY DATA SHEET**

Version 1.0

Revision Date 05/21/2019

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Kim-Bond™ Hi-Strength 30 Minute Dual-Cartridge Epoxy  
Product code : 80-1091

**Manufacturer or supplier's details**

Company : Kimball Midwest  
Address : 4800 Roberts Road  
Columbus, OH 43228  
Telephone : 800.233.1294

Emergency Phone Number (CHEMTREC): 1-800-424-9300

**Recommended use of the chemical and restrictions on use**

Recommended use : Epoxy resin  
Restrictions on use : For industrial use only.

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance	liquid
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**GHS Classification**

Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitization : Category 1

**GHS label elements**

Hazard pictograms :



Signal Word : Warning

**Hazard Statements:**

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

**Precautionary Statements:**

**Prevention:** P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection.

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/

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attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

### Potential Health Effects

#### Carcinogenicity:

##### IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

##### NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
Epoxy resin	25068-38-6	90 - 100

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.  
Get medical attention immediately if irritation develops and persists.  
Remove contaminated clothing and shoes.  
Wash contaminated clothing before reuse.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.  
If victim is fully conscious, give a cupful of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or

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carbon dioxide.

- Specific extinguishing methods :  
Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material. Shovel into suitable container for disposal.

### SECTION 7. HANDLING AND STORAGE

- Technical measures : Not applicable
- Advice on safe handling : No special precautions required.
- Conditions for safe storage : Keep in a dry, cool place.
- Materials to avoid : No special restrictions on storage with other products.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection  
Material : Nitrile rubber
- Eye protection : Safety glasses

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Skin and body protection	: Remove and wash contaminated clothing before re-use.
Protective measures	: Avoid contact with skin.
Hygiene measures	: Avoid contact with skin, eyes and clothing.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Odor Threshold	: No data available
Melting point/freezing point	: not determined
Boiling point/boiling range	: 260 °C not determined
Flash point	: 150 °C Method: closed cup
Evaporation rate	: not determined
Flammability (solid, gas)	: Not classified as a flammability hazard
Upper explosion limit	: Upper flammability limit not determined
Lower explosion limit	: Lower flammability limit not determined
Vapor pressure	: 0.03 mbar
Solubility(ies)	
Water solubility	: not determined
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: not determined
Viscosity	
Viscosity, kinematic	: not determined

### SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: The product is chemically stable.
Conditions to avoid	: Not applicable
Hazardous decomposition products	: Stable under normal conditions.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

No data available

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### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **STOT-single exposure**

No data available

### **STOT-repeated exposure**

No data available

### **Aspiration toxicity**

No data available

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal methods**

Waste from residues

: To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at

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an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

### SECTION 14. TRANSPORT INFORMATION

#### Special precautions for user

Not applicable

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

#### International Regulations

##### IATA-DGR

UN/ID No. : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(EPOXY RESIN)  
Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

##### IMDG-Code

UN number : 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : no

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization

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- SARA 302** : This material does not contain any components with a section 302 EHS TPQ.
- SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

### US State Regulations

**California Prop 65** : Please contact Supplier for more information.

### The ingredients of this product are reported in the following inventories:

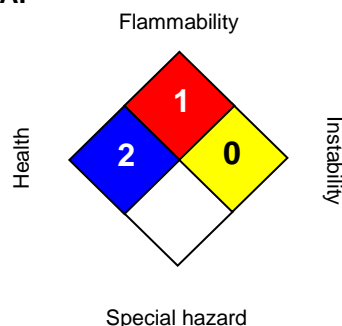
**TSCA** On TSCA Inventory  
**DSL** All components of this product are on the Canadian DSL  
**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

## SECTION 16. OTHER INFORMATION

Prepared by: Regulatory Department

### Further information

#### NFPA:



#### HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that the supplier believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of the supplier's control, the supplier makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.



## SAFETY DATA SHEET

### Cyberbond™ 5030B

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#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Cyberbond™ 5030B  
Product code : 100000005182

##### Manufacturer or supplier's details

Company : H.B. Fuller Company  
Address : 1200 Willow Lake Boulevard  
Vadnais Heights, MN 55110  
Telephone : 1-888-423-8553

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

##### Recommended use of the chemical and restrictions on use

Recommended use : Epoxy curing agent  
Restrictions on use : For industrial use only.

#### SECTION 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance	liquid
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##### GHS Classification

Acute toxicity (Oral) : Category 4  
Skin corrosion : Category 1B  
Serious eye damage : Category 1  
Skin sensitization : Category 1  
Reproductive toxicity : Category 2

##### GHS label elements

Hazard pictograms :   

Signal Word : Danger

##### Hazard Statements:

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

##### Precautionary Statements:

**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this

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product. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse.

**Storage:** P405 Store locked up.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

**Potential Health Effects****Carcinogenicity:****IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration [%]
Polyamide resin	68082-29-1	70 - 90
Aliphatic amine	26950-63-0	30 - 50
Phenol, 4-nonyl-, branched	84852-15-3	30 - 50
triethylenetetramine	112-24-3	10 - 20

**SECTION 4. FIRST AID MEASURES**

General advice : Show this material safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.  
If not breathing, give artificial respiration.  
Keep patient warm and at rest.  
Consult a physician after significant exposure.

In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Call a physician if irritation develops or persists.  
Wash contaminated clothing before re-use.

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- |                        |   |   |
|------------------------|---|---|
| In case of eye contact | : | Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Protect unharmed eye.  |
| If swallowed           | : | If swallowed, call a poison control center or doctor immediately.<br>Do NOT induce vomiting.<br>If victim is fully conscious, give a cupful of water.<br>If possible drink milk afterwards. |

**SECTION 5. FIRE-FIGHTING MEASURES**

- |  |   |   |
|--|---|---|
| Suitable extinguishing media                   | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| Specific extinguishing methods                 | : |   |
| Further information                            | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.           |
| Special protective equipment for fire-fighters | : | Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |   |   |  |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Refer to protective measures listed in sections 7 and 8.   |
| Environmental precautions   | : | Prevent product from entering drains.<br>Do not flush into surface water or sanitary sewer system. |
| Methods and materials for containment and cleaning up               | : | Soak up with inert absorbent material.<br>Shovel into suitable container for disposal.             |

**SECTION 7. HANDLING AND STORAGE**

- |                             |   |  |
|-----------------------------|---|--|
| Local/Total ventilation     | : | Use only with adequate ventilation.  |
| Advice on safe handling     | : | Wear personal protective equipment.<br>Do not get on skin or clothing.<br>Use only in an area equipped with a safety shower. |
| Conditions for safe storage | : | Keep containers tightly closed in a dry, cool and well-ventilated place.   |
| Materials to avoid          | : | No special restrictions on storage with other products.  |

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Combined particulates and organic vapor type

Hand protection  
Material : butyl-rubber

Eye protection : Safety goggles  
Face-shield  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : Long sleeved clothing  
Chemical resistant apron

Protective measures : Avoid contact with skin.

Hygiene measures : Avoid contact with skin, eyes and clothing.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
Odor Threshold : No data available

Melting point/freezing point : not determined

Boiling point/boiling range : 176.67 °C  
not determined

Flash point : 154 °C  
Evaporation rate : not determined  
Flammability (solid, gas) : Not classified as a flammability hazard

Upper explosion limit : Upper flammability limit  
not determined

Lower explosion limit : Lower flammability limit  
not determined

Density : 1 g/cm<sup>3</sup>  
Solubility(ies)  
Water solubility : slightly soluble  
not determined

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Partition coefficient: n-octanol/water : No data available

Autoignition temperature : not determined

Viscosity  
Viscosity, kinematic : not determined**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability : The product is chemically stable.

Hazardous decomposition products : Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**Acute oral toxicity : Acute toxicity estimate : 1,770 mg/kg  
Method: Calculation methodAcute dermal toxicity : Acute toxicity estimate : 3,894 mg/kg  
Method: Calculation method**Components:****Phenol, 4-nonyl-, branched:**

Acute oral toxicity : LD50 Oral Rat: 580 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 2,031 mg/kg

**triethylenetetramine:**

Acute oral toxicity : LD50 Oral Rat: 2,500 mg/kg

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

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**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration toxicity**

No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Phenol, 4-nonyl-, branched :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0.135 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.14 mg/l  
aquatic invertebrates Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 0.16 -  
0.72 mg/l  
Exposure time: 72 h  
Test Type: static test

**triethylenetetramine :**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 31.1 mg/l  
aquatic invertebrates Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 2.5 mg/l  
Exposure time: 72 h  
Test Type: flow-through test

**Persistence and degradability**

No data available

**Bioaccumulative potential****Mobility in soil**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

**SECTION 14. TRANSPORT INFORMATION****Special precautions for user**

Not applicable

**Domestic regulation****49 CFR**

Not regulated as a dangerous good

**International Regulations****IATA-DGR**

UN/ID No. : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE, TRIETHYLENETETRAMINE)  
Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Reproductive toxicity

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Phenol, 4-nonyl-, branched

84852-15-3

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**US State Regulations**

**California Prop 65** : Please contact Supplier for more information.

**The ingredients of this product are reported in the following inventories:**

**TSCA** On TSCA Inventory

**DSL** All components of this product are on the Canadian DSL  
**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

**SECTION 16. OTHER INFORMATION**

Prepared by: Global Regulatory Department - phone: 1-651-236-5842 - email: msds.request@hbfuller.com



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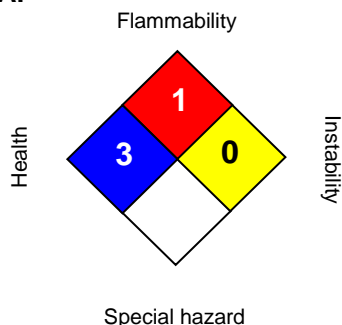
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#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>3*</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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