Safety Data Sheet

GenFlex Roofing Systems

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • Cleaner

Synonyms Light Aliphatic; Solvent Naptha (Petroleum)

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

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company

250 West 96th Street Indianapolis, IN 46260

United States

genflexmsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer (800) 424-9300 - CHEMTREC

Manufacturer (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

• Aspiration 1 - H304 Skin Irritation 2 - H315

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

Hazardous to the aquatic environment Chronic 2 - H411

• Flammable Irritant (Xi)

Harmful (XI)

Dangerous to the Environment (N) R11, R38, R65, R67, R51/53

2.2 Label Elements

CLP

DANGER









Hazard statements • H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements

Prevention . P261 - Avoid breathing mist/vapours/spray.

P264 - Wash 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.

Response P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position

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

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

P321 - Specific treatment, see supplemental first aid information. P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician.

P331 - Do NOT induce vomiting.

P391 - Collect spillage.

Storage/Disposal • P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD









Risk phrases • R11 - Highly flammable.

R38 - Irritating to skin.

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 .

S9 - Keep container in a well ventilated place

S16 - Keep away from sources of ignition - No Smoking.

S57 - Use appropriate containment to avoid environmental contamination.

2.3 Other Hazards

CLP

According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

Flammable Liquids 2 - H225 Aspiration 1 - H304 Skin Irritation 2 - H315 Eye Irritation 2A - H319

Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

2.2 Label elements **OSHA HCS 2012**

DANGER







Hazard statements . Highly flammable liquid and vapour - H225

May be fatal if swallowed and enters airways - H304

Causes skin irritation - H315 Causes serious eye irritation - H319 May cause respiratory irritation - H335 May cause drowsiness or dizziness - H336

Precautionary statements

Prevention • Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210 Keep container tightly closed. - P233

Ground and/or bond container and receiving equipment. - P240 Use explosion-proof electrical/ventilating/lighting/equipment. - P241

Use only non-sparking tools. - P242

Take precautionary measures against static discharge. - P243

Avoid breathing fume/mist/vapours/spray. - P261

Wash thoroughly after handling. - P264

Use only outdoors or in a well-ventilated area. - P271

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

Response .

In case of fire: Use appropriate media for extinction, - P370+P378

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

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

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower. - P303+P361+P353

Specific treatment, see supplemental first aid information. - P321 If skin irritation occurs: Get medical advice/attention. - P332+P313 Take off contaminated clothing and wash before reuse. - P362

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing. - P305+P351+P338 If eye irritation persists: Get medical advice/attention. - P337+P313

IF ŚWALLOWED: Immediately call a POISON CENTER or doctor/physician. -

P301+P310

Do NOT induce vomiting. - P331

Storage/Disposal .

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

Keep container tightly closed. - P233

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

Flammable Liquids - B2 Other Toxic Effects - D2B

2.2 Label elements

WHMIS





Flammable Liquids - B2
 Other Toxic Effects - D2B

2.3 Other hazards WHMIS

 In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition							
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments		
Light aliphatic solvent naphtha	CAS:64742-89-8 EC Number:265- 192-2	100%	NDA	EU DSD/DPD: Self Classified: N; R51/53, Xi R38, Xn R67, R65 F R11 EU CLP: Self Classified: Skin Irrit. 2, H315; Asp. Tox. 1, H304; STOT SE 3: Narc, H336; Aquatic Chronic 2, H411 OSHA HCS 2012: Eye Irrit. 2A; Skin Irrit. 2; Asp. Tox. 1; STOT SE 3: Narc. & Resp. Irrit.; Flam. Liq. 2	NDA		

3.2 Mixtures

 Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

 Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if artificial oxygen is administered.

Skin

 In case of contact with substance, immediately flush skin with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Remove and isolate contaminated clothing and shoes. Call 911 or emergency medical service.

Eye

 In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

Ingestion

 Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

 If material is ingested and aspirated into the lungs it may cause chemical pneumonitis. Treat appropriately.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media .

LARGE FIRES: Water spray, fog or alcohol-resistant foam. SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use a direct stream of water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

Containers may explode when heated.

Vapor explosion hazard indoors, outdoors or in sewers.

HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.

Many liquids are lighter than water.

Most vapors are heavier than air. They will spread along ground and collect in low or

confined areas (sewers, basements, tanks).

Runoff to sewer may create fire or explosion hazard.

Vapors may form explosive mixtures with air.

Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

No data available

5.3 Advice for firefighters

Structural firefighters' protective clothing will only provide limited protection.
 Wear positive pressure self-contained breathing apparatus (SCBA).

Move containers from fire area if you can do it without risk.

LARGE FIRES: Cool containers with flooding quantities of water until well after fire is

out.

LARGE FIRES: Dike fire-control water for later disposal.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

 Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin and eyes. Ventilate enclosed areas. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

 SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Use clean non-sparking tools to collect absorbed material.

All equipment used when handling the product must be grounded. LARGE SPILLS: Dike far ahead of spill for later disposal.

A vapor suppressing foam may be used to reduce vapors.

6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

• Keep away from heat, sparks, and flame – No Smoking. Keep containers closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Static electricity may accumulate and create a fire hazard. Take precautionary measures against static charges. Bond and ground all transfer containers and equipment. Use only with adequate ventilation. Wear appropriate personal protective equipment. Ground fixed equipment. Do not breathe (dust, vapor or spray mist)

7.2 Conditions for safe storage, including any incompatibilities

Storage

 Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Store locked up. Keep container closed when not in use. Keep away from incompatible materials.

7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

No exposure limits/guidelines available for the material or the components.

8.2 Exposure controls

Engineering Measures/Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment

Respiratory

 Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

Skin/Body

Wear safety glasses.

Wear appropriate gloves. Wear protective clothing

Environmental Exposure Controls

 Follow best practice for site management and disposal of waste. Avoid release to the environment.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear, colorless liquid with a mild hydrocarbon odor.
Color	Colorless	Odor	Mild Hydrocarbon .
Taste	Data lacking	Particulate Type	Data lacking
Odor Threshold	Data lacking	Physical and Chemical Properties	Data lacking
General Properties	-		
Boiling Point	220 F(104.4444 C)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	рН	Data lacking
Specific Gravity/Relative Density	0.77 Water=1 @ 60 F(15.5556 C)	Density	Data lacking

Water Solubility Negligible		Data lacking
Not explosive.	Oxidizing Properties:	Not an oxidizer.
2 mmHg (torr) @ 20 C(68 F)	Vapor Density	3 Air=1
< 1 n-Butyl Acetate = 1	VOC (Wt.)	2.88 lbs/gal
100 %		
-	-	
65 F(18.3333 C) TCC (Tagliabue Closed Cup)	UEL	6.7 %
.9 %	Autoignition	450 F(232.2222 C)
Flammable Liquid.		
-	-	
Data lacking		
	Not explosive. 2 mmHg (torr) @ 20 C(68 F) < 1 n-Butyl Acetate = 1 100 % 65 F(18.3333 C) TCC (Tagliabue Closed Cup) .9 % Flammable Liquid.	Not explosive. Oxidizing Properties: 2 mmHg (torr) @ 20 C(68 F)

9.2 Other Information

No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

• Hazardous polymerization will not occur.

10.4 Conditions to avoid

 Avoid flames, sparks, or other sources of ignition. Excess heat. Incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None known.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Cleaner 64742-89-8								
Test Type	Dosage	Route	Species	Duration	Results	Test Class	Target Organs	Comments
Acute Toxicity	= 3400 ppm	Inhalation	Rat	4 Hour(s)	LC50	NDA	NDA	NDA
Acute Toxicity	> 8 g/kg	Ingestion/Oral	Rat	NDA	LD50	NDA	NDA	NDA

GHS Properties	Classification		
Acute toxicity	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met		
Aspiration Hazard	EU/CLP ◆ Aspiration 1 OSHA HCS 2012 ◆ Aspiration 1		

Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
STOT-RE	EU/CLP ◆ Classification criteria not met OSHA HCS 2012 ◆ Classification criteria not met
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects;Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
Respiratory sensitization	EU/CLP ◆ Classification criteria not met OSHA HCS 2012 ◆ Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Eye Irritation 2A

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause respiratory irritation. May affect the central nervous system. Symptoms
- **Chronic (Delayed)**

Skin

Acute (Immediate)

Chronic (Delayed)

Eye Acute (Immediate)

Chronic (Delayed)

Ingestion

Acute (Immediate)

Chronic (Delayed)

Key to abbreviations LC = Lethal Concentration

LD = Lethal Dose

may include dizziness, drowsiness, lethargy, coma and death.

No data available.

- Causes skin irritation.
- No data available.
- Causes serious eye irritation.
- No data available.
- Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
- No data available.

Section 12 - Ecological Information

12.1 Toxicity

Cleaner			64742-89-8			
Dosage	Oosage Species Duration			Exposure Conditions	Comments	
= 3.8 mg/L	Crustacea: Daphnia magna	21 Day(s)	NOEC	NDA	NDA	

12.2 Persistence and degradability

Material data lacking.

12.3 Bioaccumulative potential

Material data lacking.

12.4 Mobility in Soil

Material data lacking.

12.5 Results of PBT and vPvB assessment

No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

Potential Environmental Effects

May cause long lasting harmful effects to aquatic life.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

Containers, even those that have been emptied, can contain explosive vapors. Dispose
of content and/or container in accordance with local, regional, national, and/or
international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1268	Petroleum distillates, n.o.s. (Solvent naphtha (petroleum), light aliph.)	3	Ш	NDA
TDG	UN1268	PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light aliph.)	3	II	NDA
IMO/IMDG	UN1268	PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light aliph.)	3	II	NDA
ADN	UN1268	PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light aliph.)	3	II	NDA
ADR/RID	UN1268	PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light aliph.)	3	II	NDA
IATA/ICAO	UN1268	Petroleum distillates, n.o.s. (Solvent naphtha (petroleum), light aliph.)	3	II	Chronic Aquatic Toxicity

14.6 Special precautions for user

None specified.

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

Not relevant.

Section 15 - Regulatory Information

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

mixture

SARA Hazard Classifications . Acute, Fire

State Right To Know							
Component	CAS	MA	NJ	PA			
Light aliphatic solvent naphtha	64742-89-8	No	No	No			

Inventory								
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA		
Light aliphatic solvent naphtha	64742-89-8	Yes	No	Yes	No	Yes		

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Light aliphatic solvent naphtha 64742-89-8 B2

Canada - WHMIS - Ingredient Disclosure List

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

Environment

Canada - CEPA - Priority Substances List

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Light aliphatic solvent naphtha 64742-89-8 Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Light aliphatic solvent naphtha 64742-89-8 T R:45-46-65 S:53-45

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Light aliphatic solvent naphtha 64742-89-8 H, P

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Light aliphatic solvent naphtha 64742-89-8 S:53-45

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

-Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

Light aliphatic solvent naphtha 64742-89-8 Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

United States - Pennsylvania

⁻Labor ˈ

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Light aliphatic solvent naphtha 64742-89-8 Not Listed

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date Preparation Date Disclaimer/Statement of Liability

- 26/August/2013
- 06/May/2011
- The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.

Key to abbreviationsNDA = No Data Available