



HITCOOL 19055

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : HITCOOL 19055
Formula : 22212

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

1.3. Details of the supplier of the safety data sheet

Hill Industrial Tool, Inc.
3110 Ranchview Lane N.
Plymouth, MN 55447
TEL. (763) 476-5005 FAX. (763) 476-5885

1.4. Emergency telephone number

Emergency number : 800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Aspir. Hazd 1 H305
Skin Irrit. 2 H315
Eye Dam. 1 H318
Skin Sens. 1 H317

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H305 - May be fatal if swallowed or enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat. - No smoking
P261 - Avoid breathing vapors
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear personal protective equipment
P302+P352 - If on skin: Wash with plenty of 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
P308+P313 - If exposed or concerned: Get medical advice/attention
P310 - Immediately call doctor
P321 - Specific treatment (see first aid measures on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use water to extinguish
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to meet all regulations

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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

8.4 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

13.33 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Distillates (petroleum), hydrotreated heavy naphthenic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	(CAS No) 64742-52-5	8 - 10	Aspiration Hazard – Category 1, H305
1,3,5-Triazine-1,3,5-(2H,4H,6H)-triethanol	(CAS No) 4719-04-4	2.355 - 3.925	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317
ISOPROPANOLAMINE	(CAS No) 78-96-6	1 - 3	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314
DIBUTYL ETHANOLAMINE	(CAS No) 102-81-8	1 - 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
3-Iodo-2-propynyl butylcarbamate	(CAS No) 55406-53-6	<= 0.15	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Specific treatment (see first aid measures on this label). Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not classified
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Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from ignition sources. - No smoking.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Avoid breathing fumes. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : heat. Keep container closed when not in use. Keep in fireproof place.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

HITCOOL 19055	
ACGIH	Not applicable
OSHA	Not applicable

ISOPROPANOLAMINE (78-96-6)	
ACGIH	Not applicable
OSHA	Not applicable

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)	
ACGIH	Not applicable

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1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)		
OSHA	Not applicable	
DIBUTYL ETHANOLAMINE (102-81-8)		
ACGIH	ACGIH TWA (mg/m ³)	<
ACGIH	ACGIH TWA (ppm)	0.50 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	Not applicable	
Distillates (petroleum), hydrotreated heavy naphthenic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
3-Iodo-2-propynyl butylcarbamate (55406-53-6)		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Moderate thin liquid
Color	: Clear amber liquid
Odor	: Mild sassafras odor
pH	: 9.50 +/- 0.20
pH 5% diluted in water	: 9.25 +/- 0.20.
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: ~-32 °F
Boiling point	: ~212 °F
Flash point	: No data available
Auto-ignition temperature	: No data available
Physical state	: Moderate thin liquid.
Flammability (solid, gas)	: No data available
Evaporation rate	: < 0.01
Relative vapor density at 20 °C	: <0.01 mm Hg at 20°C
Specific gravity	: 1.008 g/mL (8.4 Lbs./gallon)
Solubility	: 100% soluble in water
Log Pow	: No data available
Log Kow	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ISOPROPANOLAMINE (78-96-6)

LD50 oral rat	2098 mg/kg
LD50 dermal rabbit	1560 mg/kg
ATE US (oral)	2098.000 mg/kg body weight
ATE US (dermal)	1560.000 mg/kg body weight

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)

LD50 oral rat	763 mg/kg
ATE US (oral)	763.000 mg/kg body weight

DIBUTYL ETHANOLAMINE (102-81-8)

LD50 oral rat	1070
LD50 dermal rabbit	1440
LC50 inhalation rat (mg/l)	> 0.41
ATE US (oral)	1070.000 mg/kg body weight
ATE US (dermal)	1440.000 mg/kg body weight

Distillates (petroleum), hydrotreated heavy naphthenic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

3-Iodo-2-propynyl butylcarbamate (55406-53-6)

LD50 oral rat	1100 mg/kg
ATE US (oral)	1100.000 mg/kg body weight
ATE US (dust, mist)	0.500 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

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Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation : May cause an allergic skin reaction.
Symptoms/injuries after skin contact : Causes skin irritation.
Symptoms/injuries after eye contact : Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

ISOPROPANOLAMINE (78-96-6)	
LC50 fish 1	2390 - 2650 mg/l Pimephales Promelas
EC50 Daphnia 1	108.82 g/l Daphania magna Straus 48 hours
EC50 other aquatic organisms 1	23 g/l Desmodedmus 72 hours

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LC50 fish 1	≈ 5000 ml/l
EC50 Daphnia 1	> 1000 ml/l

3-Iodo-2-propynyl butylcarbamate (55406-53-6)	
LC50 fish 1	0.14 - 0.32 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
LC50 fish 2	0.049 - 0.079 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

12.2. Persistence and degradability

HITCOOL 19055	
Persistence and degradability	Not established.

ISOPROPANOLAMINE (78-96-6)	
Persistence and degradability	Not established.

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)	
Persistence and degradability	Not established.

DIBUTYL ETHANOLAMINE (102-81-8)	
Persistence and degradability	Not established.

Distillates (petroleum), hydrotreated heavy naphthenic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)	
Persistence and degradability	Not established.

3-Iodo-2-propynyl butylcarbamate (55406-53-6)	
Persistence and degradability	Not established.

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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
ISOPROPANOLAMINE (78-96-6)	
Bioaccumulative potential	Not established.
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)	
Bioaccumulative potential	Not established.
DIBUTYL ETHANOLAMINE (102-81-8)	
Bioaccumulative potential	Not established.
Distillates (petroleum), hydrotreated heavy naphthenic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)	
Bioaccumulative potential	Not established.
3-Iodo-2-propynyl butylcarbamate (55406-53-6)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer :
Effect on the global warming : No known ecological damage caused by this product.
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to meet all regulations.
Additional information : Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport
Additional information
Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

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(64742-52-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

3-Iodo-2-propynyl butylcarbamate (55406-53-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

SARA Section 313 - Emission Reporting | 1.0 %

15.2. International regulations

CANADA

No additional information available

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)

Listed on the Canadian DSL (Domestic Substances List)

3-Iodo-2-propynyl butylcarbamate (55406-53-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

3-Iodo-2-propynyl butylcarbamate (55406-53-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

3-Iodo-2-propynyl butylcarbamate (55406-53-6)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

15.3. US State regulations

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3-Iodo-2-propynyl butylcarbamate (55406-53-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

----- Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
----- Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
----- Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
----- Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
----- Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
----- Eye Dam. 1	Serious eye damage/eye irritation Category 1
----- Skin Corr. 1B	Skin corrosion/irritation Category 1B
----- Skin Irrit. 2	Skin corrosion/irritation Category 2
----- Skin Sens. 1	Skin sensitization Category 1
----- STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
----- H302	Harmful if swallowed
----- H305	May be fatal if swallowed or enters airways
----- H312	Harmful in contact with skin
----- H314	Causes severe skin burns and eye damage
----- H315	Causes skin irritation
----- H317	May cause an allergic skin reaction
----- H318	Causes serious eye damage
----- H331	Toxic if inhaled
----- H372	Causes damage to organs through prolonged or repeated exposure
----- H400	Very toxic to aquatic life
----- H410	Very toxic to aquatic life with long lasting effects

GHS US SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product