SAFETY DATA SHEET

1. Identification

Product identifier B61301 KONKER - 425g

Other means of identification

1042-952 1000016724 Product code

Recommended use **PESTICIDE Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ACUITY HOLDINGS INC. dba AMREP

Address 11627 178 STREET NW EDMONTON, AB T5S 1N6

Canada

General Assistance **Telephone**

E-mail Not available.

Emergency - US 1-866-836-8855 **Emergency phone number**

> Emergency - Outside US 1-952-852-4646

Not available. Supplier

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1 **Health hazards** Skin corrosion/irritation Category 2

> Specific target organ toxicity, single exposure Category 3 narcotic effects

1-905 669-9876

Aspiration hazard Category 1

Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation.

May cause drowsiness or dizziness.

Precautionary statement

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

> Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated

French-

area. Wear protective gloves.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON Response

SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If skin irritation occurs: Get

medical advice/attention. Take off contaminated clothing and wash it before reuse.

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from Storage

sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental hazards Hazardous to the aquatic environment, acute Category 1

hazard

Hazardous to the aquatic environment, Category 1

long-term hazard

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Naphtha, (Petroleum), Hydrotreated Light		64742-49-0	39.771
Propane		74-98-6	20.67
n-Heptane		142-82-5	16.353
Isobutane		75-28-5	9.33
Isopropyl Alcohol		67-63-0	7.5
Piperonyl Butoxide		51-03-6	2.46
Methylcyclohexane		108-87-2	2.044
Pyrethrins		8003-34-7	0.307
Other components below reportable le	evels		1.563

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell.

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get Skin contact

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Call a physician or poison control center immediately. Do not induce vomiting.

Most important Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness.

Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. symptoms/effects, acute and

delayed Indication of immediate

medical attention and special

treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to **General information**

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Fire fighting equipment/instructions Foam. Powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose

holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do

not breathe fumes.

General fire hazards Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

Value

8. Exposure controls/personal protection

Occupational exposure limits

Components

US. ACGIH Threshold Limit Values

Components	туре	value			
Isobutane (CAS 75-28-5)	STEL	1000 ppm			
Isopropyl Alcohol (CAS 67-63-0)	STEL	400 ppm			
	TWA	200 ppm			
Methylcyclohexane (CAS 108-87-2)	TWA	400 ppm			
n-Heptane (CAS 142-82-5)	STEL	500 ppm			
	TWA	400 ppm			
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3			
Canada. Alberta OELs (Occupatio	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)				
Components	Туре	Value			
Isopropyl Alcohol (CAS 67-63-0)	STEL	984 mg/m3			
•		400 ppm			
	TWA	492 mg/m3			
		200 ppm			
Methylcyclohexane (CAS 108-87-2)	TWA	1610 mg/m3			
,		400 ppm			
n-Heptane (CAS 142-82-5)	STEL	2050 mg/m3			
		500 ppm			
	TWA	1640 mg/m3			
		400 ppm			
Propane (CAS 74-98-6)	TWA	1000 ppm			
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3			

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97. as amended)

Components	Туре		Va	lue
Isopropyl Alcohol (CAS 67-63-0)	STEL		40	0 ppm
,	TWA		20	0 ppm
Methylcyclohexane (CAS 108-87-2)	TWA		40	0 ppm
n-Heptane (CAS 142-82-5)	STEL		50	0 ppm
	TWA		40	0 ppm
Pyrethrins (CAS 8003-34-7)	TWA		5 n	ng/m3
Canada. Manitoba OELs (Reg.	217/2006, The Worl	cplace Safety A		
Components	Туре		Va	lue
Isobutane (CAS 75-28-5)	STEL		10	00 ppm
Isopropyl Alcohol (CAS 67-63-0)	STEL			0 ppm
	TWA		20	0 ppm
Methylcyclohexane (CAS 108-87-2)	TWA			0 ppm
n-Heptane (CAS 142-82-5)	STEL			0 ppm
	TWA			0 ppm
Pyrethrins (CAS 8003-34-7)	TWA		5 n	ng/m3
Canada. Ontario OELs. (Contro	ol of Exposure to B	ological or Che	mical Agents)	
Components	Type		Va	lue
Isobutane (CAS 75-28-5)	TWA		80	0 ppm
Isopropyl Alcohol (CAS 67-63-0)	STEL		40	0 ppm
	TWA		20	0 ppm
Methylcyclohexane (CAS 108-87-2)	TWA		40	0 ppm
Pyrethrins (CAS 8003-34-7)	TWA		5 n	ng/m3
Canada. Quebec OELs. (Minist		ation Respectin		
Components	Туре		Va	lue
Isopropyl Alcohol (CAS 67-63-0)	STEL		12	30 mg/m3
				0 ppm
	TWA		98	3 mg/m3
			40	0 ppm
Methylcyclohexane (CAS 108-87-2)	TWA		16	10 mg/m3
•				0 ррт
n-Heptane (CAS 142-82-5)	STEL			50 mg/m3
				0 ppm
	TWA			40 mg/m3
				0 ppm
Propane (CAS 74-98-6)	TWA			00 mg/m3
Durothring (CAC 0000 04.7)	T\A/A			00 ppm
Pyrethrins (CAS 8003-34-7)	TWA		5 n	ng/m3
ogical limit values				
ACGIH Biological Exposure Inc Components Valu		Determinant	Specimen	Sampling Time
Isopropyl Alcohol (CAS 40 m	na/l	Acetone	Urine	*

^{* -} For sampling details, please see the source document.

Appropriate engineering controls

Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other Wear appropriate chemical resistant clothing.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an

air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Gas.
Form Aerosol.
Color Not available.
Odor Not available.
Odor threshold Not available.
pH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

range

203 °F (95 °C) estimated

Flash point -156.0 °F (-104.4 °C) PROPELLANT estimated

Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

1.4 % estimated

Flammability limit - upper

(%)

8.8 % estimated

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 620.49 °F (326.94 °C) estimated

Decomposition temperature Not available. **Viscosity** Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

Specific gravity 0.667 estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerization does not occur.

reactions

riazardous polymenzation does not occur.

Conditions to avoidAvoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

patible materials

Strong oxidizing agents. Nitrates. Isocyanates. Fluorine. Chlorine.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact Causes skin irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Components

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness.

Test Results

Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

Species

Rat

Isobutane (CAS 75-28-5) Acute Inhalation LC50 Mouse 1237 mg/l, 120 Minutes 52 %, 120 Minutes Rat 1355 mg/l Isopropyl Alcohol (CAS 67-63-0) **Acute** Dermal LD50 Rabbit 16.4 ml/kg, 24 Hours Inhalation LC50 Rat > 10000 ppm, 6 Hours

LD50
Methylcyclohexane (CAS 108-87-2)

Acute Dermal

Oral

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation Vapor

LC100 Rabbit 59.9 mg/l

LC50 Dog > 4071 ppm, If <1L: Consumer Commodity

Hours

5.84 g/kg

Hours

> 16.3 mg/l, If <1L: Consumer Commodity Hours

Mouse > 6564 ppm, If <1L: Consumer Commodity

Hours

> 26.3 mg/l, If <1L: Consumer Commodity

Hours

Rat > 6564 ppm, If <1L: Consumer Commodity

Hours

> 26.3 mg/l, If <1L: Consumer Commodity

Hours

LC50 Rat 16 mg/l, 4 Hours

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Components Species Test Results

Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)

<u>Acute</u>

Dermal

LD50 Guinea pig; Rabbit > 9.4 ml/kg, 24 Hours

Rabbit > 1900 mg/kg, 24 Hours

Inhalation

LC50 Rat > 5000 mg/m3, 4 Hours

> 4980 mg/m3

> 4980 mg/m3, 4 Hours > 4.96 mg/l, 4 Hours

13700 ppm, 4 Hours

Oral

LD50 Rat 4820 mg/kg

n-Heptane (CAS 142-82-5)

<u>Acute</u>

Dermal

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation

LC50 Rat > 29.29 mg/l, 4 Hours

Oral

LD50 Rat > 5000 mg/kg

Piperonyl Butoxide (CAS 51-03-6)

Acute Dermal

LD50 - > 2000 mg/kg

Inhalation

LC50 Rat > 5.2 mg/l, 4 Hours

Oral

LD50 Rat > 2000 mg/kg

Propane (CAS 74-98-6)

Acute

Inhalation

LC50 Mouse 1237 mg/l, 120 Minutes

52 %, 120 Minutes

Rat 1355 mg/l

658 mg/l/4h

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Canada - British Columbia OELs: Respiratory or skin sensitiser

Pyrethrins (CAS 8003-34-7) Capable of causing respiratory, dermal or conjunctival

sensitization.

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

Product name: B61301 KONKER - 425g

^{*} Estimates for product may be based on additional component data not shown.

ACGIH Carcinogens

Isopropyl Alcohol (CAS 67-63-0) A4 Not classifiable as a human carcinogen. Pyrethrins (CAS 8003-34-7) A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

2-PROPANOL (CAS 67-63-0) Not classifiable as a human carcinogen. PYRETHRUM (CAS 8003-34-7) Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Piperonyl Butoxide (CAS 51-03-6) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results	
Isopropyl Alcohol (CAS	S 67-63-0)			
Aquatic				
Algae	IC50	Algae	1000.0001 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours	
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours	
Methylcyclohexane (C	AS 108-87-2)			
Aquatic				
Fish	LC50	Striped bass (Morone saxatilis)	5.8 mg/l, 96 hours	
n-Heptane (CAS 142-8	82-5)			
Aquatic				
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/l, 96 hours	
Piperonyl Butoxide (Ca	AS 51-03-6)			
Aquatic				
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.0027 - 0.0043 mg/l, 96 hours	
Pyrethrins (CAS 8003-	-34-7)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia)	0.018 - 0.032 mg/l, 48 hours	
Fish	LC50	Brown trout (Salmo trutta)	0.0165 - 0.0229 mg/l, 96 hours	

^{*} Estimates for product may be based on additional component data not shown.

No data is available on the degradability of this product. Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Isobutane 2.76 0.05 Isopropyl Alcohol Methylcyclohexane 3.61 n-Heptane 4.66 Piperonyl Butoxide 4.75 Propane 2.36

No data available. Mobility in soil

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

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13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

14. Transport information

TDG

UN1950 **UN** number

UN proper shipping name Transport hazard class(es) AEROSOLS, flammable

Class

2.1 Subsidiary risk

Packing group Not applicable.

Environmental hazards

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

This product meets the exemption requirements and may be shipped as a limited quantity.

IATA

UN number UN1950

UN proper shipping name Aerosols, flammable

Transport hazard class(es)

2.1 **Class** Subsidiary risk 2.1 Label(s)

Not applicable. Packing group

Environmental hazards Yes **ERG Code** 10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Allowed with restrictions. Cargo aircraft only

IMDG

UN1950 **UN number UN** proper shipping name **AEROSOLS**

Transport hazard class(es)

Class 2.1 Subsidiary risk 2.1 Label(s)

Packing group Not applicable.

Environmental hazards

Yes Marine pollutant **EmS** F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

IATA; IMDG; TDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

Canadian regulations

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No

Country(s) or region Inventory name On inventory (yes/no)*

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

Issue date 05-26-2017

Version # 01

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

Revision information Product and Company Identification: Alternate Trade Names