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SECTION 1: Product and company identification

Trade name : Vegetation Control w/2, 4-D

Use of the substance/mixture : Herbicide

Industrial use

Product code : 032001

Company : Share Corporation

P.O. Box 245013

Milwaukee, WI 53224 - USA

T (414) 355-4000

Emergency number : Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 4 H227 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Carc. 1B H350 Asp. Tox. 1 H304

Full text of H statements: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Combustible liquid

May be fatal if swallowed and enters airways

Causes skin irritation
Causes serious eye irritation

May cause cancer

Precautionary statements (GHS-US) : Obtain special instructions before use

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

Keep away from open flames, sparks, heat. - No smoking

Wash thoroughly after handling

Wear protective clothing, eye protection, protective gloves If swallowed: Immediately call a POISON CENTER, a doctor

If on skin: Wash with plenty of water

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing

If exposed or concerned: Get medical advice/attention Specific treatment (see First aid measures on this label)

Do NOT induce vomiting

If skin irritation occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

In case of fire: Use dry extinguishing powder, carbon dioxide (CO2), alcohol resistant foam to

extinguish

Store in a well-ventilated place. Keep cool

Store locked up

Dispose of contents/container to comply with local/regional/national regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

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Full text of H-phrases: see section 16



3.2. Mixture

Name	Product identifier	%	GHS-US classification
Fuel oil, No 4, Gasoil - unspecified, [A distillate oil having a minimum viscosity of 45 SUS at 37,7 °C (100 °F) to a maximum of 125 SUS at 37,7 °C (100 °F).]	(CAS No) 68476-31-3	75 - 90	Asp. Tox. 1, H304
Glycol Ether EB	(CAS No) 111-76-2	10 - 20	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
2-ethylhexyl 2,4-dichlorophenoxyacetate	(CAS No) 1928-43-4	0.98 - 1.20	Acute Tox. 4 (Oral), H302
bromacil	(CAS No) 314-40-9	0.93 - 1.03	Eye Irrit. 2A, H319
naphthalene	(CAS No) 91-20-3	0 - 0.25	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Carc. 1B, H350 Aquatic Acute 1, H400

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation

SECTION 4: First aid measures

4.1. Description of first aid measures
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First-aid measures general : If you feel unv

: If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned:

Get medical advice/attention.

First-aid measures after inhalation : If breathing is difficult, 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.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by

warm water rinse. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Consult

a doctor/medical service.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/injuries : If you feel unwell, seek medical advice. May cause cancer. May cause damage to organs through

prolonged or repeated exposure.

Symptoms/injuries after inhalation : Harmful if inhaled. EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression.

Irritation of the respiratory tract. Headache. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

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 : Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

Explosion hazard : Explosion risk in case of fire. Heat may build pressure, rupturing closed containers, spreading fire

and increasing risk of burns and injuries. May be ignited by sparks. May form flammable/explosive

vapor-air mixture.

Reactivity : On burning: release of toxic and corrosive gases/vapors (nitrous vapors, sulphur oxides, carbon

monoxide - carbon dioxide). If the product is involved in a fire, it can release toxic chlorine gases.

Reacts violently with (strong) oxidizers.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely

due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of

environmentally hazardous firefighting water.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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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.

6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.

Emergency procedures : Evacuate unnecessary personnel. No naked flames or sparks.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Take

up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a

soap solution.

6.4. Reference to other sections

No additional information available

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 open

flame, sparks, excessive heat. - No smoking.

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and

understood. Do not breathe vapors. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Obtain special instructions before use. Remove contaminated clothing

immediately.

Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be

followed.

Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away

from: sparks, open flames, excessive heat.

Incompatible products : Oxidizing agent.
Incompatible materials : Sources of ignition.

Heat-ignition : KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.

Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents.

Storage area : Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep

locked up.

Special rules on packaging : Keep only in original container, meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

bromacil (314-40-9)	
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (Bromacil; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
naphthalene (91-20	0-3)	
ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	Remark (ACGIH)	Hematologic eff; URT & eye irr; Skin; A3
OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	10 ppm
Glycol Ether EB (1	11-76-2)	
ACGIH	ACGIH TWA (ppm)	20 ppm

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Glycol Ether EB (111	-76-2)		
ACGIH	Remark (ACGIH)	Eye & URT irr	
OSHA	OSHA PEL (TWA) (mg/m³)	240 mg/m³	
OSHA	OSHA PEL (TWA) (ppm)	50 ppm	

8.2. Exposure controls

Personal protective equipment

: Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.







SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance Clear, red colored liquid.

Fuel oil odor Odor threshold No data available No data available рΗ No data available Melting point Freezing point No data available No data available Boiling point

Flash point 145 °F

Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : No data available **Explosion limits** : No data available

Explosive properties Heating may cause a fire or explosion.

Oxidizing properties No data available Vapor pressure No data available Relative density No data available Relative vapor density at 20 °C : No data available Specific gravity / density 0.875 g/ml Solubility Insoluble in water. Log Pow : No data available Log Kow No data available Auto-ignition temperature : No data available Decomposition temperature No data available

: < 20 cSt Viscosity, kinematic

Viscosity, dynamic No data available

VOC content : > 90 %

SECTION 10: Stability and reactivity

Viscosity

On burning: release of toxic and corrosive gases/vapors (nitrous vapors, sulphur oxides, carbon monoxide - carbon dioxide). If the product is involved in a fire, it can release toxic chlorine gases. Reacts violently with (strong) oxidizers.

Combustible liquid. Stable under normal conditions. Risk of explosion if heated under confinement. Heating may cause a fire or explosion.

No data available

10.3. Possibility of hazardous reaction

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Refer to Section 10 on Incompatible Materials. Open flame. Overheating. Sparks.

10.5. Incompatible materials

Oxidizing agents.

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10.6. Hazardous decomposition products
Thermal decomposition produces: CO, CO2, Oxides of nitrogen and other potentially toxic fumes.

SECTION 11: Toxicological information

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: Not classified
5200 mg/kg (Rat)
> 2500 mg/kg (Rat)
> 5000 mg/kg (Rabbit)
> 4.8 mg/l/4h (Rat)
5200.000 mg/kg body weight
> 1100 mg/kg (Rat)
> 2500 mg/kg (Rat)
> 20000 mg/kg (Rabbit)
500.000 mg/kg body weight
1300 mg/kg
> 2000 mg/kg
1300.000 mg/kg body weight
1100.000 mg/kg body weight
1.500 mg/l/4h
etate (1928-43-4)
896 mg/kg (Rat)
> 2000 mg/kg (Rabbit)
> 5.4 mg/l/4h (Rat)
: Causes skin irritation.
: Causes serious eye irritation.
: Not classified
: Not classified
: May cause cancer.

ů ,	•
naphthalene (91-20-3)	
IARC group	2B - Possibly Carcinogenic to Humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen
Glycol Ether EB (111-76-2)	

0. y 0 0 1 2 (1 1 1 0 2)	
IARC group	3 - Not Classifiable

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

exposure)

Glycol Ether EB (111-76-2)	
NOAEL (oral,rat,90 days)	see comments
NOAEL (dermal,rat/rabbit,90 days)	see comments
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: Harmful if inhaled. EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression. Irritation of the respiratory tract. Headache. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
Likely routes of exposure	: Skin and eyes contact;Ingestion;Inhalation

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SECTION 12: Ecological information

12.1. Toxicity		
bromacil (314-40-9)		
LC50 fish 1 75 mg/l (LC50; 48 h)		
naphthalene (91-20-3)		
EC50 Daphnia 1	2.16 mg/l (EC50; 48 h; Daphnia magna)	
LC50 fish 2	0.11 mg/l (LC50; 96 h; Oncorhynchus mykiss)	
Threshold limit algae 1 0.4 mg/l (EC50; 72 h; Skeletonema costatum)		
Glycol Ether EB (111-76-2)		
LC50 fish 1	1474 mg/l Oncorhynchus mykiss	
EC50 Daphnia 1	100 mg/l Water flea	
ErC50 (algae)	1840 mg/l Pseudokirchneriella subcapitata	
NOEC chronic fish	> 100 mg/l	
NOEC chronic crustacea	100 mg/l daphnid	

12.2. Persistence and degradability

bromacil (314-40-9)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Photodegradation in the air.
naphthalene (91-20-3)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O □/g substance
Chemical oxygen demand (COD)	0.22 g O ☐/g substance
ThOD	2.99 g O □/g substance

12.3. Bioaccumulative potential

200. Diouecumumu potentium		
bromacil (314-40-9)		
BCF fish 1	2.8 - 26.5 (BCF; 672 h; Leuciscus idus)	
BCF fish 2	4.25 (BCF; 388 h; Pimephales promelas)	
Log Pow	2.11	
Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).		
naphthalene (91-20-3)		
BCF fish 1	23 - 168 (BCF; 8 weeks; Cyprinus carpio)	
Log Pow	3.30 (Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
2-ethylhexyl 2,4-dichlorophenoxyacet	ate (1928-43-4)	
Log Pow	5.78 (Experimental value)	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

Additional information : Clean up even minor leaks or spills if possible without unnecessary risk. Handle empty containers

with care because residual vapors are flammable.

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description : NA1993 Combustible liquid, n.o.s., 3, III

UN-No.(DOT) : NA1993

Proper Shipping Name (DOT) : Combustible liquid, n.o.s.

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Symbols : D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring

a technical name

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DOT Special Provisions (49 CFR 172.102) : IB3,T1,T4,TP1

DOT Packaging Exceptions (49 CFR

173.xxx)

DOT Quantity Limitations Passenger

aircraft/rail (49 CFR 173.27)

: 60 L

: 150

DOT Quantity Limitations Cargo aircraft

only (49 CFR 175.75)

: 220 L

DOT Vessel Stowage Location : A

Additional information

Other information : When transported by ground in non-bulk containers, this product utilizes the exception found under

49 CFR 173.150.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

bromacil	CAS No 314-40-9	0.93 – 1.03%
naphthalene	CAS No 91-20-3	0 - 0.25%
Glycol Ether EB	CAS No 111-76-2	10 - 20%
2-ethylhexyl 2,4-dichlorophenoxyacetate	CAS No 1928-43-4	0.98 - 1.20%

bromacil (314-40-9)

Listed on SARA Section 313 (Specific toxic chemical listings)

naphthalene (91-20-3)

Listed on SARA Section 313 (Specific toxic chemical listings)

CERCLA RQ 100 lb

2-ethylhexyl 2,4-dichlorophenoxyacetate (1928-43-4)

Listed on SARA Section 313 (Specific toxic chemical listings)

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution: Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing.

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H350	May cause cancer
H400	Very toxic to aquatic life

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NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury

unless prompt medical attention is given.

NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.

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