SECTION 1: Product and company identification

Product name	:	Dissolve-All
Use of the substance/mixture	:	Degreasing agent
Product code	:	0156
Company	:	Total Solutions P.O. Box 240014 Milwaukee, WI 53224 - USA T (414) 354-6417
Emergency number	:	Chemtec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation:dust,mist)	H332
Muta. 1B	H340
Carc. 1B	H350
Repr. 2	H361
STOT SE 3	H336
STOT RE 1	H372

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS02 GHS07 GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :
Flammable liquid and vapor
Harmful in contact with skin or if inhaled
May cause drowsiness or dizziness
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep away from heat, open flames, sparks, hot surfaces, Do not smoke. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical, lighting, ventilating equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Do not breathe fume, mist, spray, vapors
Avoid breathing mist, spray, vapors
Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Wear protective clothing, protective gloves, eye protection, face protection
If on skin: Wash with plenty of water
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If inhaled: Remove person to fresh air and keep comfortable for breathing
If exposed or concerned: Get medical advice/attention
Call a doctor, a POISON CENTER if you feel unwell
Get medical advice/attention if you feel unwell
Specific treatment (see First aid measures on this label)
Take off contaminated clothing and wash it before reuse
In case of fire: Use alcohol resistant foam, Water spray, dry extinguishing powder, carbon dioxide (CO2) to extinguish
Store in a well-ventilated place. Keep container tightly closed

Store in a well-ventilated place. Keep cool
Store locked up
Dispose of contents/container to comply with local/regional/national/international 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

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS No) 64742-47-8	40.0 - 70.0	Flam. Liq. 4, H227 Asp. Tox. 1, H304
solvent naphtha(petroleum),light aliphatic	(CAS No) 64742-89-8	15.0 - 40.0	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
xylene	(CAS No) 1330-20-7	1.0 - 5.0	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
ethylbenzene	(CAS No) 100-41-4	0.5 - 1.5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Artificial respiration and/or oxygen if necessary. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 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 : Rinse mouth. Do not induce vomiting without medical advice. Vomiting: prevent asphyxia/aspiration pneumonia. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries : May cause drowsiness or dizziness. Headache. nausea, vomiting. Direct contact with the eyes is likely irritating. Causes damage to organs through prolonged or repeated exposure.

Symptoms/injuries after inhalation : Headache. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Harmful in contact with skin.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely irritating.

Symptoms/injuries after ingestion : Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Symptoms may be delayed. Keep watching the victim.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media : Alcohol-resistant foam. Water fog. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture
Fire hazard : Flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture. Vapors may travel long distances along ground before igniting/flashing back to vapor source.

Reactivity	:	Flammable liquid and vapor. Thermal decomposition may produce : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	:	Do not breathe fumes from fires or vapors from decomposition. Move containers away from the fire area if this can be done without risk. Cool tanks/drums with water spray/remove them into safety.
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	:	No flames, No sparks. Eliminate all sources of ignition. Use special care to avoid static electric charges. Evacuate unnecessary personnel. Stay upwind/keep distance from source.

6.1.1. For non-emergency personnel

Protective equipment	:	DO NOT touch spilled material. Do not enter without an appropriate protective equipment. Do not breathe gas/vapor. Ventilate the area thoroughly, especially low lying areas (basements, work pits etc.). Advice local authorities if considered necessary.
Emergency procedures	:	Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment	:	Equip cleanup crew with proper protection. Use personal protective equipment as required.
Emergency procedures	:	Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Absorb and/or contain spill with inert material, then place in suitable container. Avoid release to the environment. Prevent runoff from entering drains, sewers or waterways.

6.3. Methods and material for containment and cleaning up

For containment	:	Eliminate every possible source of ignition. NO open flames, NO sparks, and NO smoking. Dilute combustible/toxic gases/vapours with water spray. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
Methods for cleaning up	:	Liquid spill: dam up with sand/earth. Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite. Following product recovery, flush area with water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautions against electrostatic charges. Use only non-sparking tools. Use only explosion-free electrical equipment with earth. Do not breathe gas/vapor/aerosol. Avoid contact with skin, eyes and clothing. Avoid prolonged and repeated contact with skin. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide local exhaust or general room ventilation. Use only non-sparking tools.
Storage conditions	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep cool. Protect from sunlight. Keep only in original container. Keep container tightly closed. Store in a well-ventilated place. Store in a dry place. Store in a closed container.
Incompatible materials	:	Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat. Sources of ignition.
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethylbenzene (100-41-4)		
ACGIH	ACGIH TWA (ppm)	20 ppm

ethylbenzene (100-41-4)		
ACGIH	ACGIH STEL (ppm)	20 ppm
ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
xylene (1330-20-7)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. 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.

Personal protective equipment : Gloves. Protective clothing. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 274.49 °F Estimated
Flash point	: 90 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 11.35 hPa Estimated
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.87 g/ml
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: 434.5 °C Estimated
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
VOC content	: 5.15 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor. Thermal decomposition may produce : Toxic fumes may be released.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization does not occur.

10.4. Conditions to avoid
No flames, No sparks. Eliminate all sources of ignition. Heat. Incompatible materials.

10.5. Incompatible materials
strong acids. Oxidizing agent. Halogens.

10.6. Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Dermal: Harmful in contact with skin. Inhalation:dust,mist: Harmful if inhaled.

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat; Other; Experimental value)
LD50 dermal rabbit	15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	4000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	3500.000 mg/kg body weight
ATE CLP (dermal)	15415.000 mg/kg body weight
ATE CLP (gases)	4000.000 ppmV/4h
ATE CLP (vapors)	17.800 mg/l/4h
ATE CLP (dust, mist)	17.800 mg/l/4h

hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Literature)

xylene (1330-20-7)	
LC50 inhalation rat (ppm)	4550 ppmV/4h
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (gases)	4550.000 ppmV/4h
ATE CLP (dust, mist)	1.500 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

ethylbenzene (100-41-4)	
IARC group	2B - Possibly Carcinogenic to Humans

xylene (1330-20-7)	
IARC group	3 - Not Classifiable

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Headache. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Harmful in contact with skin.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely irritating.

Symptoms/injuries after ingestion : Gastrointestinal complaints.

SECTION 12: Ecological information

12.1. Toxicity

ethylbenzene (100-41-4)	
LC50 fish 1	9.09 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	77 mg/l (24 h; Daphnia magna)

ethylbenzene (100-41-4)	
EC50 other aquatic organisms 1	48 mg/l (72 h; Scenedesmus subspicatus)
LC50 fish 2	4.2 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	75 mg/l (48 h; Daphnia magna)
TLM fish 1	29 ppm (96 h; Lepomis macrochirus; Hard water)
TLM fish 2	42.3 mg/l (96 h; Pimephales promelas)
TLM other aquatic organisms 1	10 - 100,96 h
Threshold limit algae 1	> 160 mg/l (192 h; Scenedesmus quadricauda; Toxicity test)
Threshold limit algae 2	33 mg/l (192 h; Microcystis aeruginosa; Toxicity test)

hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
LC50 fish 1	> 100 mg/l (Pisces)
EC50 Daphnia 1	> 100 mg/l (Invertebrata)
Threshold limit algae 1	> 100 mg/l (Algae)

12.2. Persistence and degradability

ethylbenzene (100-41-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O_2 /g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O_2 /g substance
ThOD	3.17 g O_2 /g substance
BOD (% of ThOD)	(20 day(s)) 45.4

hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
Persistence and degradability	Readily biodegradable in water. Adsorbs into the soil.

12.3. Bioaccumulative potential

ethylbenzene (100-41-4)	
BCF fish 1	1 (6 weeks; Oncorhynchus kisutch)
BCF fish 2	15 - 79 (Carassius auratus)
BCF other aquatic organisms 1	4.68 (Lamellibranchiata)
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
Log Pow	6 - 8.2
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description : UN1993 Flammable liquids, n.o.s. (Petroleum Naptha), 3, II
UN-No.(DOT) : UN1993
Proper Shipping Name (DOT) : Flammable liquids, n.o.s.
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT) : 3 - Flammable liquid

Packing group (DOT) : II - Medium Danger

Marine pollutant	:	Yes (IMDG only)

DOT Packaging Non Bulk (49 CFR 173.xxx)	:	202
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Symbols	:	G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	:	IB2,T7,TP1,TP8,TP28
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
DOT Vessel Stowage Location	:	B

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

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.

ethylbenzene	CAS No 100-41-4	0.5 - 1.5
xylene	CAS No 1330-20-7	1.0 - 5.0

ethylbenzene (100-41-4)	
Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb

xylene (1330-20-7)	
Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	100 lb

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

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:

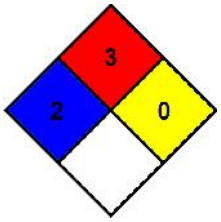
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Asp. Tox. 1	Aspiration hazard Category 1

Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Muta. 1B	Germ cell mutagenicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure

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 : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

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



Prepared by: Technical Department