SAFETY DATA SHEET

SKU# 98-153

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Skelly Solvent 'H'

Manufacturer or supplier's details

Company	:	Romanoff International Supply Corp
Address		9 Deforest Street Amityville, NY 11701 Toll Free: 1-800-221-7448

Emergency telephone number:

CHEMTEL, ACCOUNT #MIS4594445 COLLECT CALLS ACCEPTED
USA, CANADA 1-800-255-3924 AUSTRALIA: 1-300-954-583 BRAZIL: 0-800-591-6042
CHINA: 400-120-0751 INDIA: 000-800-100-4086 MEXICO: 01-800-099-0731
ALL OTHER COUNTRIES: 1-813-248-0585

SECTION 2. HAZARDS IDENTIFICATION

GHS (NA)

GHS Classification

Flammable liquids	:	Category 2
Skin irritation	:	Category 2
Eye irritation	:	Category 2B
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Central nervous system)
Aspiration hazard	:	Category 1

GHS Label element

Hazard pictograms	:					
Signal word	:	Danger				

Hazard statements	:	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	:	**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. **Response:** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. **Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. **Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 59.9999 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Init R-phrase collection for output in chapter 16---Edited for Customizing for GHS – C755445 .

Substance / Mixture	:	Substance

Hazardous components

CAS-No.	Chemical Name	Weight %	
Attention: the following table has four columns!			
110-54-3	Hexane	50	- 70

**********Start of Customizing for GHS – C755445 **********

Any Concentration shown as a range is due to batch variation.

******End of Customizing for GHS – C755445 **********

SECTION 4. FIRST AID MEASURES

[General advice]	[:]	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.

If inhaled	:	Consult a physician after significant exposure. If unconscious place in recovery position and seek medical advice.
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed	:	Keep respiratory tract clear. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Output of “Flammable properties” for Columbia and Costa Rica
Output of “Flammable properties” for CIS states (Belarus, Georgia, Kazakhstan, Kyrgyzstan, Russian Federation, Ukraine) added

Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical

Unsuitable extinguishing media	:	High volume water jet

Specific hazards during fire-fighting	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod-ucts	toxic fumes

Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored sepa-rately in closed containments. Use a water spray to cool fully closed containers.

Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if nec-essary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures		Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up		Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Container may be opened only under exhaust ventilation hood. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage	:	No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Exclude Hazardous components without workplace control parameters (relevant for US)
Check Occupational Exposure Limits (A/P)
Check Occupational Exposure Limits

Check Occupational Exposure Limits (LA)

Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS and EMEA countries

Check Occupational Exposure Limits (Europe)
Check Occupational Exposure Limits (NA) – canadian, US and mexican OELs
Occupational Exposure Limits (NA) – section for output of US ACGIH OELs (Canada only)

[

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

]

Exclude Hazardous components without workplace control parameters (relevant for US)

Occupational Exposure Limits (A/P)
Occupational Exposure Limits
Occupational Exposure Limits (LA)
Occupational Exposure Limits (Europe) from Russia for CIS

Occupational Exposure Limits (Europe) for CIS and EMEA countries

Occupational Exposure Limits (Europe)
Occupational Exposure Limits (NA) – section for output of canadian, US and mexican OELs—R4

110-54-3	Hexane	TWA	50 ppm 176 mg/m3	CA AB OEL

		TWA	20 ppm	CA BC OEL

		TWAEV	50 ppm 176 mg/m3	CA QC OEL

Occupational Exposure Limits (NA) – section for output of US ACGIH OELs (Canada only)

----------US ONLY: Hazardous components without workplace control parameters

----------Occupational exposure limits of decomposition products ----------

Personal protective equipment

Respiratory protection	:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Filter type	:	Organic vapour type

Hand protection

Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles

Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	Clear, Colorless
Odour	:	Hydrocarbon-like, mild
[Odour Threshold]	[:]	No data available
[pH]	[:]	No data available
Freezing Point (Melting point/ freezing point) Freezing Point	:	-95 °C (-139 °F)
Boiling Point (Boiling point/boiling range) Boiling Point	:	63 - 80 °C (145 - 176 °F)
Flash point	:	-18 °C (-0.40 °F) Method: closed cup
Evaporation rate	:	< 8.1 (Butyl Acetate = 1)
[Flammability (solid, gas)]	[:]	No data available

Upper explosion limit	:	7.7 %(V)

Lower explosion limit	:	1 %(V)

Vapour pressure	:	140 mmHg @ 20 - 25 °C (68 - 77 °F)

Relative vapour density	:	< 3 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0)

Relative density	:	0.66 - 0.68 @ 20 - 25 °C (68 - 77 °F) Reference substance: (water = 1)

Density	:	0.68 g/cm3 @ 20 - 25 °C (68 - 77 °F)

Solubility(ies)

Water solubility	:	slightly soluble

[Solubility in other solvents]	[:]	No data available

Partition coefficient: n-octanol/ water	:	Pow: 3.9

Auto-ignition temperature	:	252 - 258 °C
[Thermal decomposition]	[:]	No data available

Viscosity

Viscosity, kinematic	:	0.5 mm2/s @ 40 °C (104 °F)

Surface tension	:	18.5 mN/m, 20 °C

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions		Vapours may form explosive mixture with air.
Conditions to avoid	:	Keep away from heat, flame, sparks and other ignition sources. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

[Incompatible materials]	[:]	Oxidizing agents Reducing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Components:

110-54-3

Species: Rabbit Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Result: Irritation to eyes, reversing within 7 days

Reproductive toxicity

Components:

110-54-3
:

Effects on fertility	:	Species: Rat, male Application Route: inhalation (vapour) Frequency of Treatment: 6 days/week General Toxicity - Parent: LOAEL: 5,000 ppm Symptoms: Testicular effects

Effects on foetal development	:	Test Type: Fertility/early embryonic development Species: Mouse Application Route: inhalation (vapour) Duration of Single Treatment: 12 d Developmental Toxicity: LOAEC: 200 ppm Result: Teratogenic potential

Reproductive toxicity - Assessment	Some evidence of adverse effects on sexual function and fertility, based on animal experiments.	

Teratogenicity - Assessment	:	Some evidence of adverse effects on development, based on animal experiments.

STOT - single exposure

Components:

110-54-3
:

Target Organs:
Central nervous system
Assessment:
The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Components:

110-54-3

Target Organs:
Central nervous system
Assessment:
The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Components:

110-54-3

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Concentrations substantially above the TLV value may cause narcotic effects.
Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

---------- Begin Components of Chapter 12.1 ----------

Components:

110-54-3

:

Toxicity to algae	:	EL50 (Pseudokirchneriella subcapitata (green algae)): 9.285 mg/l Exposure time: 72 h Remarks: Modeled result from QSAR

Toxicity to fish (Chronic toxicity)	:	NOELR (Oncorhynchus mykiss (rainbow trout)): 2.8 mg/l Exposure time: 28 d Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar models), etc. Supporting toxicological evidence is limited for this classification. This harmonized classification will replace the indicated classification due to industry leaders and the EU Harmonized Classification (Annex VII).

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOELR (Daphnia magna (Water flea)): 4.888 mg/l Exposure time: 21 d Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar models), etc. Supporting toxicological evidence is limited for this classification. This harmonized classification will replace the indicated classification due to industry leaders and the EU Harmonized Classification (Annex VII).

Acute aquatic toxicity- Assessment	:	Toxic to aquatic life.
Chronic aquatic toxicity - Assessment	:	Toxic to aquatic life with long lasting effects.

Persistence and degradability

---------- Begin Components of Chapter 12.2 ----------

No data available

Bioaccumulative potential

---------- Begin Components of Chapter 12.3 ----------

No data available

Mobility in soil

---------- Begin Components of Chapter 12.4 ----------

No data available

Other adverse effects

Product:

Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

---------- Begin Components ----------

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

TDG

Check whether substance is not a dangerous good for this regulation

Substance is a dangerous good => output DG information
TDG (Transportation of Dangerous Goods):

UN number _C755445
UN1208,

Proper Shipping name _C755445
HEXANES, Check whether we need to continue for this regulation
Hazard inducer _C755445

Initialize stack for HI output

Class _C755445 3Subsidiary risk _C755445,
Danger Label _C755445

Packaging group _C755445
II
Marine pollutant _C755445

Remarks _C755445

CFR

Check whether substance is not a dangerous good for this regulation

Substance is a dangerous good => output DG information
Check whether we need to continue for this regulation

Remarks _C755445

ADR

Check whether substance is not a dangerous good for this regulation
Substance is a dangerous good => output DG information
Check whether we need to continue for this regulation

UNRTDG

Check whether we need to continue for this regulation

IATA

Check whether substance is not a dangerous good for this regulation
Customized by C755445_for exempting Limited quantity
Substance is a dangerous good => output DG information
IATA (International Air Transport Association):

UN Number_C755445
UN1208

DG Description_C755445

, HEXANES

Check whether we need to continue for this regulation
Hazard Inducer_C755445

Initialize stack for HI output
DG Class_C755445

, 3
Subsidiary risk _C755445

Packaging Group_C755445
, II

Packaging Instructions_C755445

Flash point _C755445

IMDG

Check whether substance is not a dangerous good for this regulation

Substance is a dangerous good => output DG information
IMDG (International Maritime Dangerous Goods):

UN Number_C755445
UN1208,
Proper shipping Name_C755445
HEXANES

Check whether we need to continue for this regulation
Hazard Inducer _C755445
Initialize stack for HI output
Class _C755445
, 3

PG _C755445
, II

Labels _C755445

Marine Pollutant _C755445

, Marine Pollutant (HEXANE) Flash point _C755445
, Flash Point: -18 °C(-0.40 °F)

TDG- Changed

ANTT

MERCOSUR

MX_DG

CN_DG

ADG

NZ_DG

SECTION 15. REGULATORY INFORMATION

WHMIS Classification

[WHMIS Classification]	[:]	B2: Flammable liquid D2A: Very Toxic Material Causing Other Toxic Effects D2B: Toxic Material Causing Other Toxic Effects

SARA 311/312

CAA HAP
CAA 112

CAA 111

Clean Water Act

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The components of this product are reported in the following inventories:

TSCA	:	On TSCA Inventory
DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PHIL	:	On the inventory, or in compliance with the inventory

IECSC	:	On the inventory, or in compliance with the inventory

Special Notes:	:	** Other substances in the product which may present a health or environmental hazard.

SECTION 16. OTHER INFORMATION

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

[Revision Date]	[:]	02/23/2017

Material number:
16110172, 16072961, 16066664, 16056191, 16062119, 16056190, 16001058, 16001057, 16000094, 788292, 752276, 747228, 730009, 730008, 554062, 638981, 546131, 508589, 53854, 86535, 87261, 69935, 86525, 69929, 54495, 85985, 103644, 53774, 102419, 54500, 53846, 70144, 87253, 70138, 86532, 69657, 158210, 118380, 508204, 508199, 505809, 501630, 20536, 20535, 20534, 501633

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit

EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50		Lethal Concentration 50%	